

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW011924\
 Data File : VW033789.D
 Acq On : 20 Jan 2024 05:56
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jan 20 06:20:35 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM011024WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jan 19 23:43:59 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	215245	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	201216	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	104227	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	68828	41.607	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	83.220%
7) Chloroethane-d5	1.529	69	59291	45.259	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.520%
11) 1,1-Dichloroethene-d2	2.060	65	32898	46.209	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.420%
21) 2-Butanone-d5	3.786	46	91681	80.800	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	80.800%
24) Chloroform-d	4.249	84	136748	46.230	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.460%
26) 1,2-Dichloroethane-d4	4.940	65	89685	46.925	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.860%
32) Benzene-d6	4.960	84	256811	44.894	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.780%
36) 1,2-Dichloropropane-d6	5.989	67	78998	41.954	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	83.900%
41) Toluene-d8	7.243	98	235141	45.622	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.240%
43) trans-1,3-Dichloroprop...	7.551	79	38795	41.688	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.380%
47) 2-Hexanone-d5	8.024	63	65250	83.541	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	83.540%
56) 1,1,2,2-Tetrachloroeth...	10.153	84	102029	42.444	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	84.880%
66) 1,2-Dichlorobenzene-d4	11.561	152	93240	47.151	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.300%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	75841	42.354	ug/L	100
3) Chloromethane	1.217	50	82347	40.441	ug/L	100
5) Vinyl chloride	1.285	62	85975	44.136	ug/L	87
6) Bromomethane	1.484	94	43994	43.213	ug/L	97
8) Chloroethane	1.548	64	58088	50.009	ug/L	98
9) Trichlorofluoromethane	1.712	101	129662	55.780	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	71152	51.954	ug/L	97
12) 1,1-Dichloroethene	2.069	96	67474	52.233	ug/L	97
13) Acetone	2.114	43	68976	63.580	ug/L	98
14) Carbon disulfide	2.243	76	202972	46.229	ug/L	100
15) Methyl Acetate	2.371	43	72311	40.761	ug/L #	100
16) Methylene chloride	2.449	84	71399	45.307	ug/L	96
17) trans-1,2-Dichloroethene	2.696	96	65733	45.553	ug/L	96
18) Methyl tert-butyl Ether	2.703	73	243424	46.904	ug/L	99
19) 1,1-Dichloroethane	3.111	63	132913	45.054	ug/L	99
20) cis-1,2-Dichloroethene	3.815	96	75619	47.085	ug/L	95
22) 2-Butanone	3.867	43	92412	70.135	ug/L	96
23) Bromochloromethane	4.150	128	37755	48.392	ug/L	86
25) Chloroform	4.275	83	135723	48.523	ug/L	98

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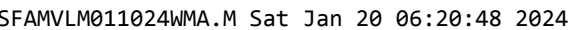
Instrument :
 MSVOA_V
 ClientSampleId :

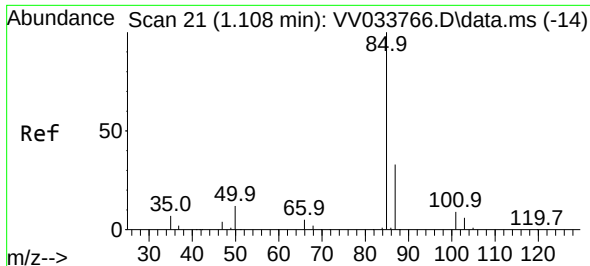
Quant Time: Jan 20 06:20:35 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM011024WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jan 19 23:43:59 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.040	62	115963	49.637	ug/L	100
29) Cyclohexane	4.584	56	122288	43.109	ug/L	95
30) 1,1,1-Trichloroethane	4.513	97	124754	51.664	ug/L	99
31) Carbon tetrachloride	4.735	117	108889	52.830	ug/L	100
33) Benzene	5.011	78	279529	47.298	ug/L	100
34) Trichloroethene	5.831	95	74057	46.713	ug/L	98
35) Methylcyclohexane	6.050	83	121748	44.874	ug/L	95
37) 1,2-Dichloropropane	6.092	63	74239	45.649	ug/L	98
38) Bromodichloromethane	6.432	83	102403	48.132	ug/L	98
39) cis-1,3-Dichloropropene	6.953	75	117976	43.440	ug/L	100
40) 4-Methyl-2-pentanone	7.156	43	200599	83.244	ug/L	97
42) Toluene	7.313	91	300097	48.035	ug/L	98
44) trans-1,3-Dichloropropene	7.580	75	111650	44.612	ug/L	97
45) 1,1,2-Trichloroethane	7.767	97	70459	47.749	ug/L	97
46) Tetrachloroethene	7.905	164	57131	49.132	ug/L	98
48) 2-Hexanone	8.075	43	147663	76.902	ug/L	98
49) Dibromochloromethane	8.175	129	72633	47.261	ug/L	99
50) 1,2-Dibromoethane	8.281	107	72857	46.721	ug/L #	98
51) Chlorobenzene	8.812	112	191028	48.003	ug/L	99
52) Ethylbenzene	8.944	91	339673	46.942	ug/L	99
53) m,p-Xylene	9.072	106	126062	47.189	ug/L	99
54) o-Xylene	9.477	106	125230	47.351	ug/L	99
55) Styrene	9.497	104	211218	46.258	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.175	83	103963	44.270	ug/L	100
59) Bromoform	9.664	173	51577	46.560	ug/L	98
60) Isopropylbenzene	9.866	105	340873	48.338	ug/L	100
61) 1,2,3-Trichloropropane	10.207	75	83188	44.973	ug/L	98
62) 1,3,5-Trimethylbenzene	10.474	105	291591	48.192	ug/L	98
63) 1,2,4-Trimethylbenzene	10.850	105	289948	48.095	ug/L	99
64) 1,3-Dichlorobenzene	11.117	146	153767	48.274	ug/L	98
65) 1,4-Dichlorobenzene	11.207	146	156001	48.843	ug/L	98
67) 1,2-Dichlorobenzene	11.580	146	152257	48.920	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.365	75	23120	43.314	ug/L	92
69) 1,3,5-Trichlorobenzene	12.583	180	114792	48.768	ug/L	99
70) 1,2,4-trichlorobenzene	13.197	180	104345	48.841	ug/L	99
71) Naphthalene	13.439	128	252715	45.268	ug/L	99
72) 1,2,3-Trichlorobenzene	13.680	180	100677	50.488	ug/L	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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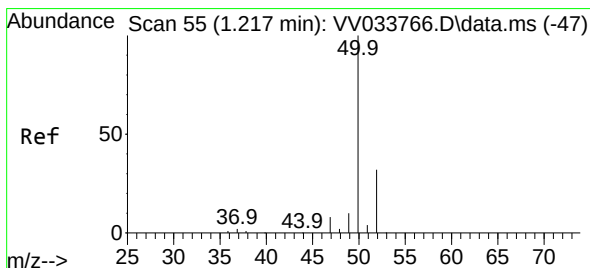
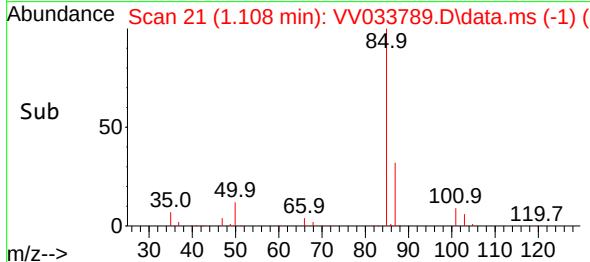
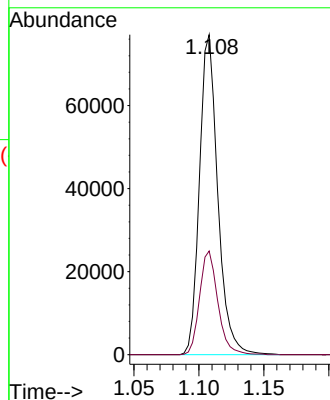
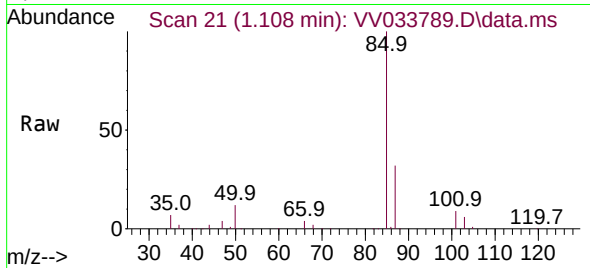




#2
 Dichlorodifluoromethane
 Concen: 42.354 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV033789.D
 Acq: 20 Jan 2024 05:56

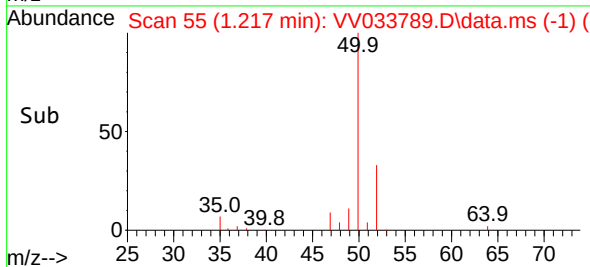
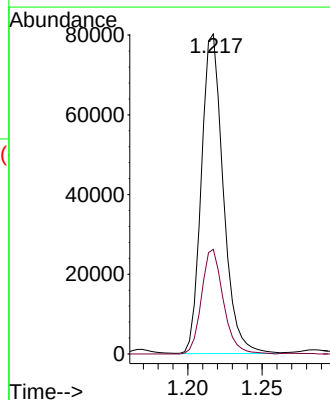
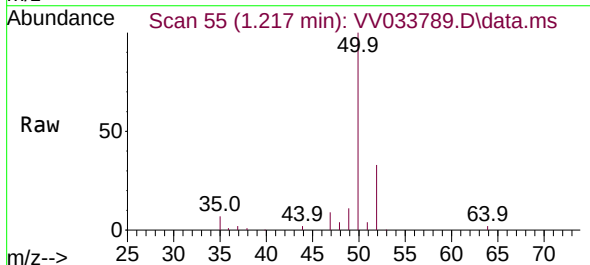
Instrument :
 MSVOA_V
 ClientSampleId :

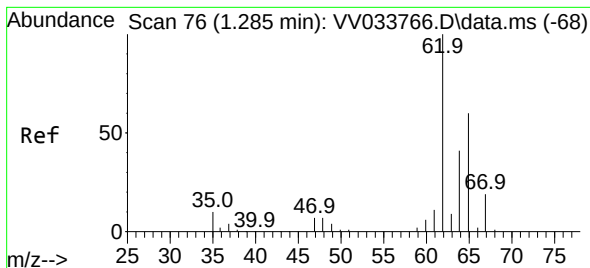
Tgt Ion: 85 Resp: 75841
 Ion Ratio Lower Upper
 85 100
 87 32.3 25.8 38.6



#3
 Chloromethane
 Concen: 40.441 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. 0.000 min
 Lab File: VV033789.D
 Acq: 20 Jan 2024 05:56

Tgt Ion: 50 Resp: 82347
 Ion Ratio Lower Upper
 50 100
 52 32.7 22.8 42.4





#5

Vinyl chloride

Concen: 44.136 ug/L

RT: 1.285 min Scan# 70

Delta R.T. 0.000 min

Lab File: VV033789.D

Acq: 20 Jan 2024 05:56

Instrument :

MSVOA_V

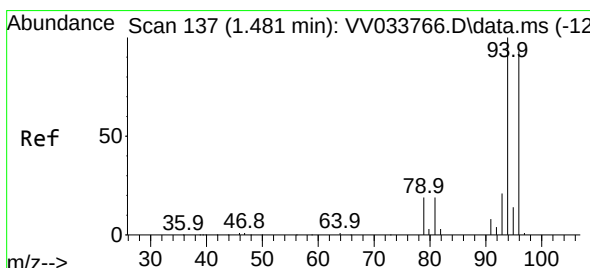
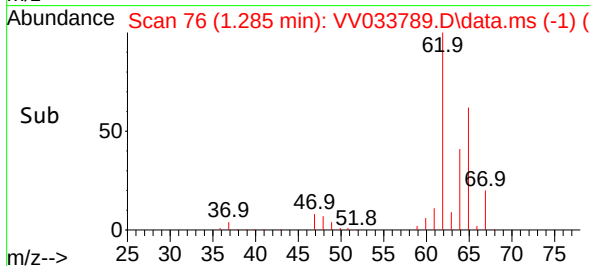
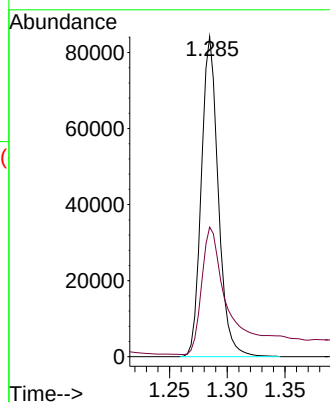
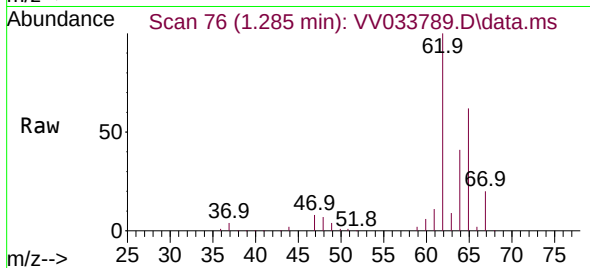
ClientSampleId :

Tgt Ion: 62 Resp: 85975

Ion Ratio Lower Upper

62 100

64 40.5 23.2 43.0



#6

Bromomethane

Concen: 43.213 ug/L

RT: 1.484 min Scan# 138

Delta R.T. 0.003 min

Lab File: VV033789.D

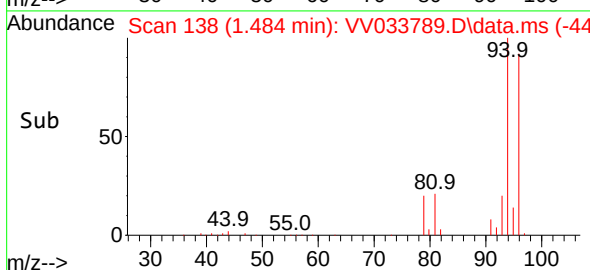
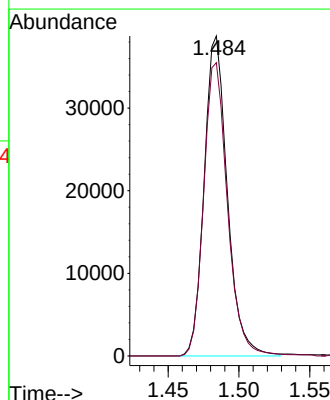
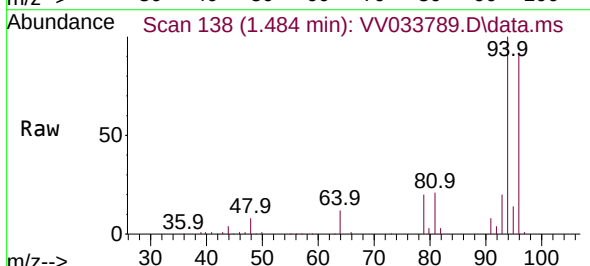
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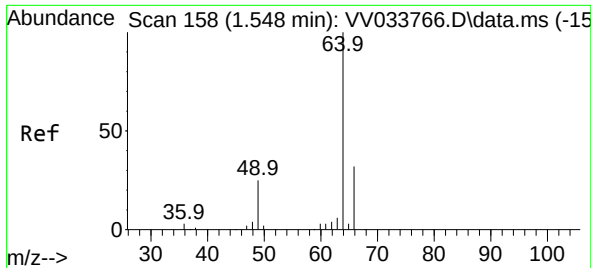
Tgt Ion: 94 Resp: 43994

Ion Ratio Lower Upper

94 100

96 91.7 66.4 123.2

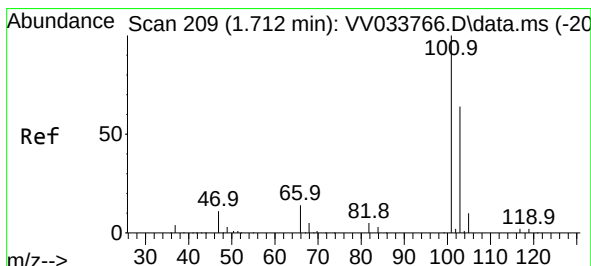
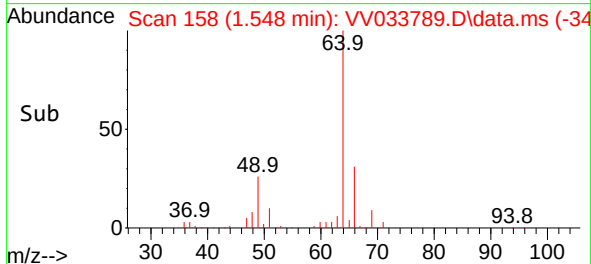
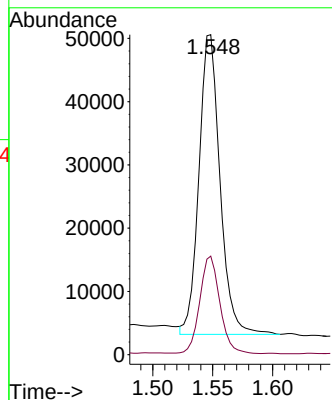
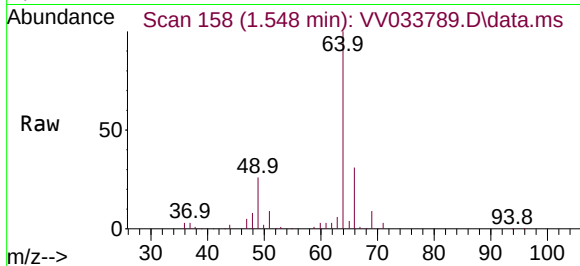




#8
Chloroethane
Concen: 50.009 ug/L
RT: 1.548 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV033789.D
Acq: 20 Jan 2024 05:56

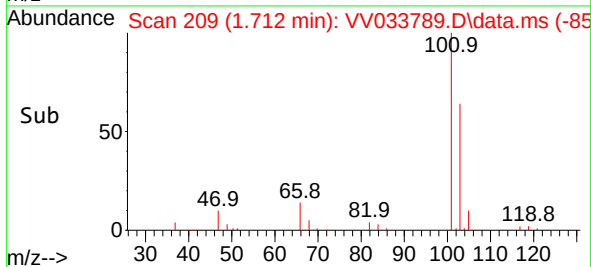
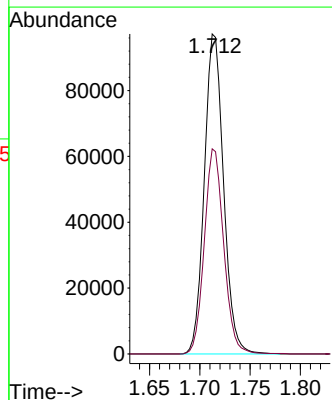
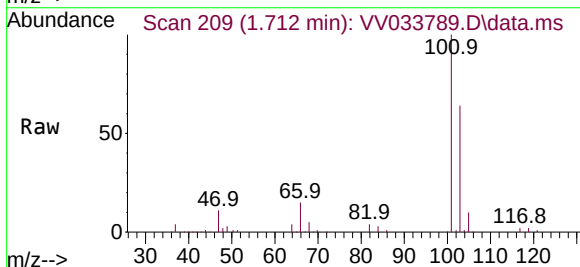
Instrument :
MSVOA_V
ClientSampleId :

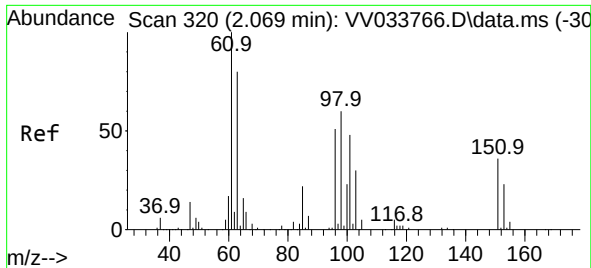
Tgt Ion: 64 Resp: 58088
Ion Ratio Lower Upper
64 100
66 30.8 22.5 41.9



#9
Trichlorofluoromethane
Concen: 55.780 ug/L
RT: 1.712 min Scan# 209
Delta R.T. 0.000 min
Lab File: VV033789.D
Acq: 20 Jan 2024 05:56

Tgt Ion:101 Resp: 129662
Ion Ratio Lower Upper
101 100
103 64.5 51.3 76.9

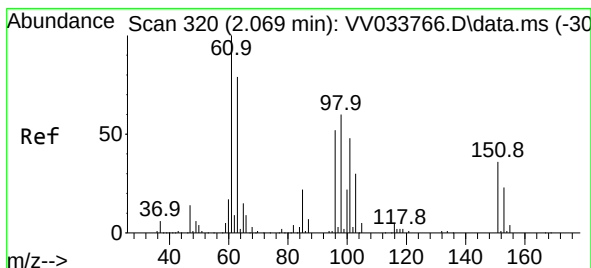
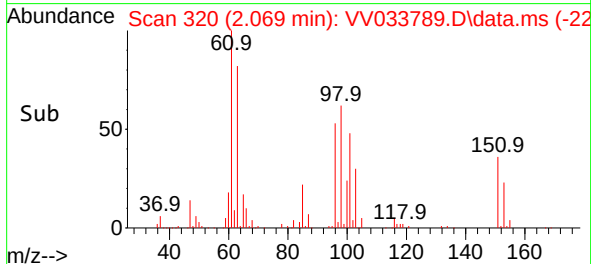
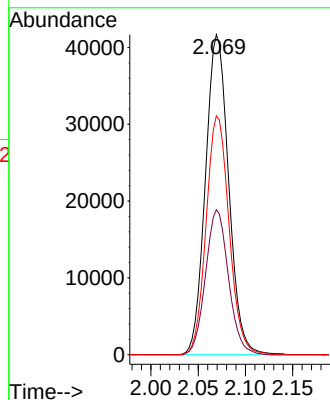
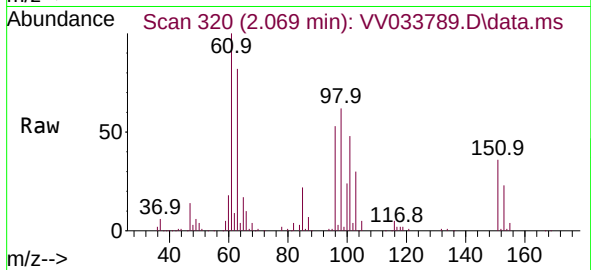




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 51.954 ug/L
 RT: 2.069 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VV033789.D
 Acq: 20 Jan 2024 05:56

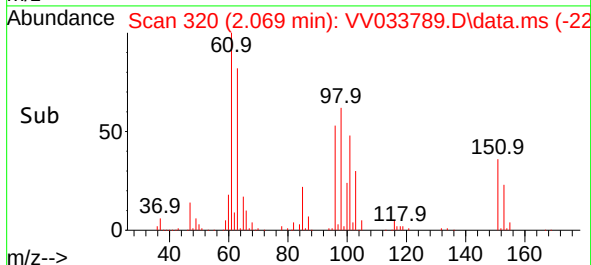
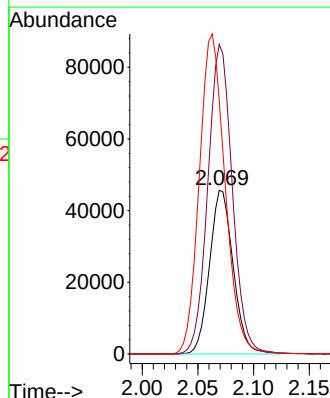
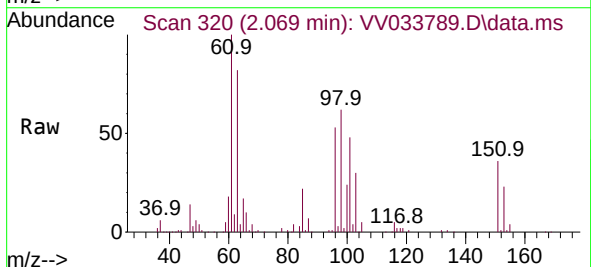
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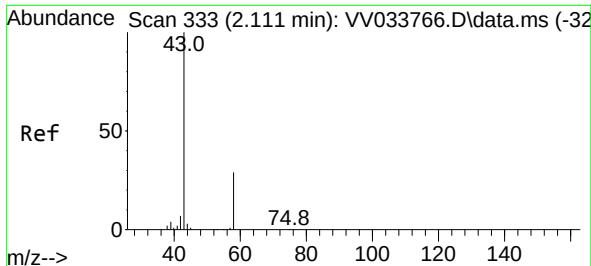
Tgt Ion:101 Resp: 71152
 Ion Ratio Lower Upper
 101 100
 85 44.8 36.2 54.4
 151 73.9 56.5 84.7



#12
 1,1-Dichloroethene
 Concen: 52.233 ug/L
 RT: 2.069 min Scan# 320
 Delta R.T. 0.000 min
 Lab File: VV033789.D
 Acq: 20 Jan 2024 05:56

Tgt Ion: 96 Resp: 67474
 Ion Ratio Lower Upper
 96 100
 61 189.1 134.0 248.8
 63 154.9 103.4 192.0





#13

Acetone

Concen: 63.580 ug/L

RT: 2.114 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV033789.D

Acq: 20 Jan 2024 05:56

Instrument :

MSVOA_V

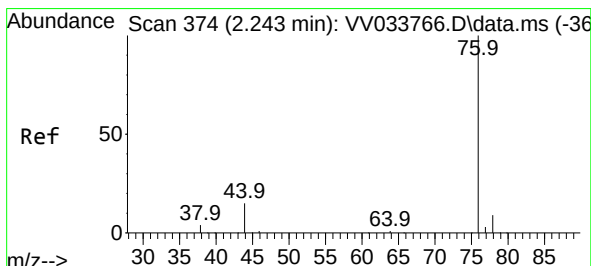
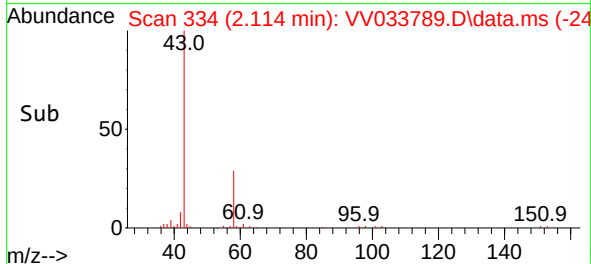
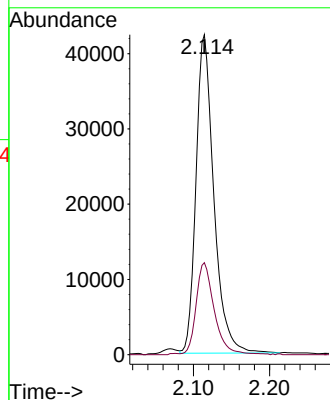
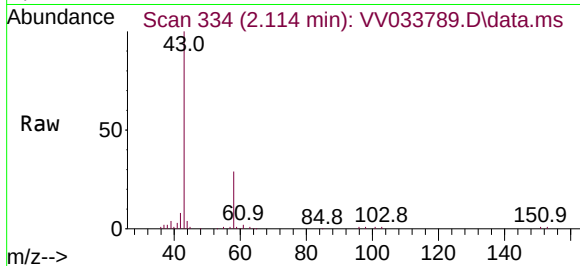
ClientSampleId :

Tgt Ion: 43 Resp: 68976

Ion Ratio Lower Upper

43 100

58 29.4 0.0 57.2



#14

Carbon disulfide

Concen: 46.229 ug/L

RT: 2.243 min Scan# 374

Delta R.T. 0.000 min

Lab File: VV033789.D

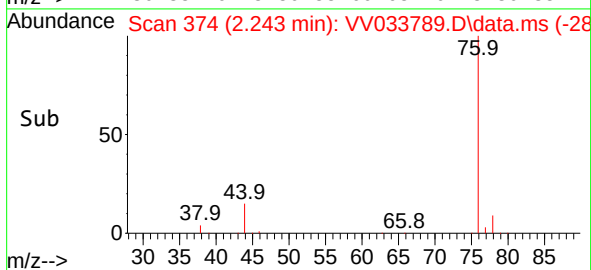
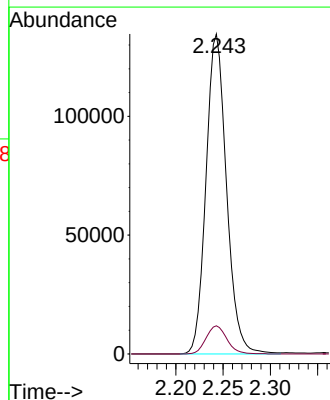
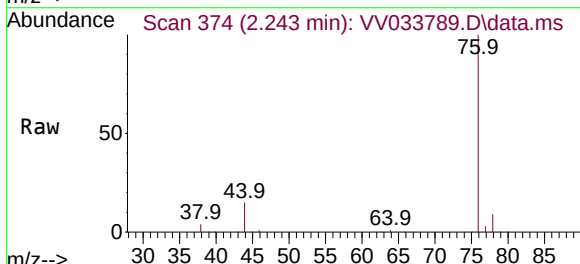
Acq: 20 Jan 2024 05:56

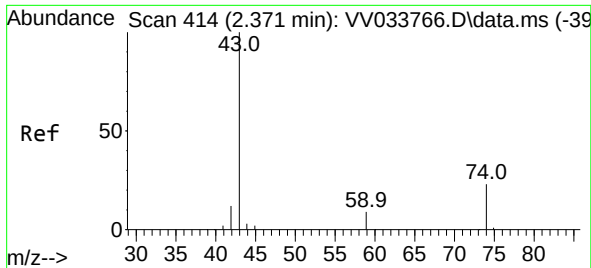
Tgt Ion: 76 Resp: 202972

Ion Ratio Lower Upper

76 100

78 8.8 7.1 10.7

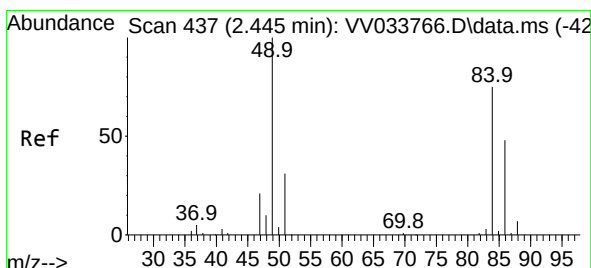
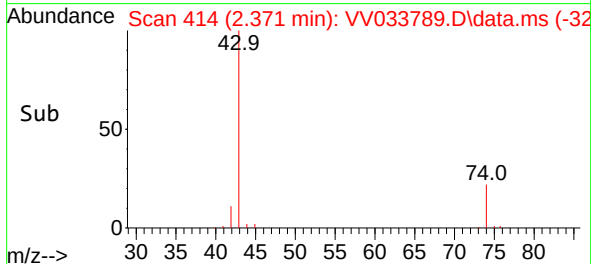
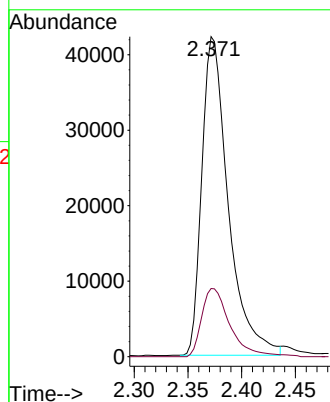
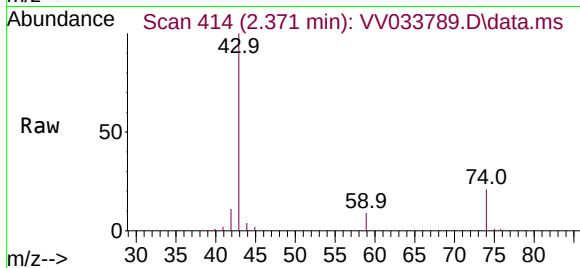




#15
Methyl Acetate
Concen: 40.761 ug/L
RT: 2.371 min Scan# 414
Delta R.T. 0.000 min
Lab File: VV033789.D
Acq: 20 Jan 2024 05:56

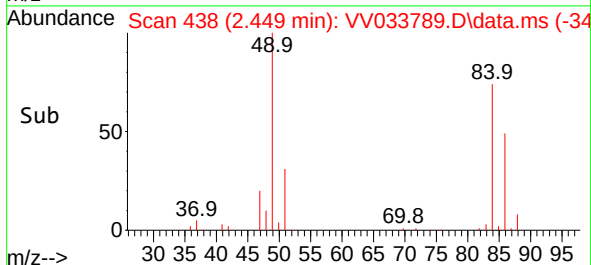
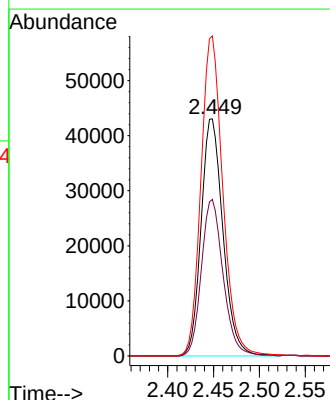
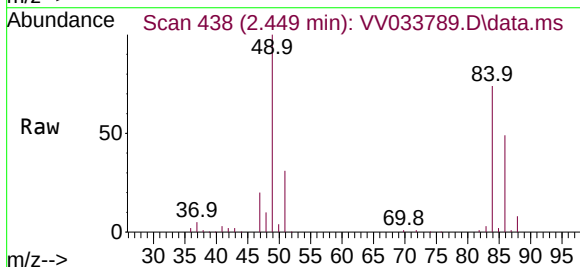
Instrument :
MSVOA_V
ClientSampleId :

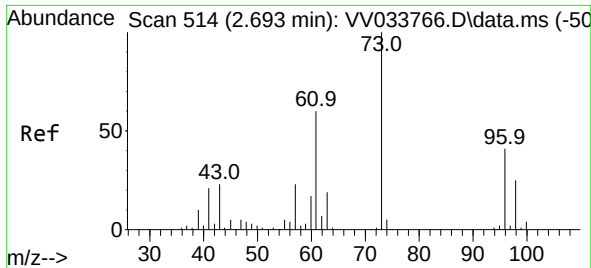
Tgt Ion: 43 Resp: 72311
Ion Ratio Lower Upper
43 100
74 22.9 0.0 0.0#



#16
Methylene chloride
Concen: 45.307 ug/L
RT: 2.449 min Scan# 438
Delta R.T. 0.003 min
Lab File: VV033789.D
Acq: 20 Jan 2024 05:56

Tgt Ion: 84 Resp: 71399
Ion Ratio Lower Upper
84 100
86 66.0 43.9 81.5
49 135.0 98.3 182.5

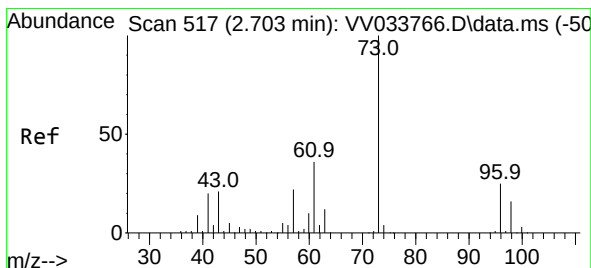
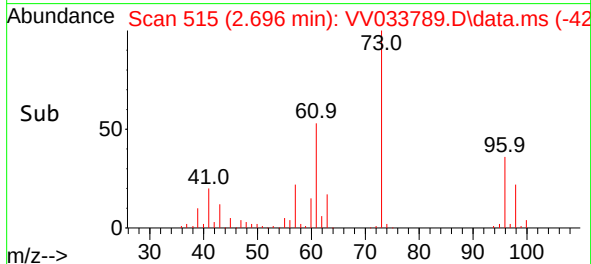
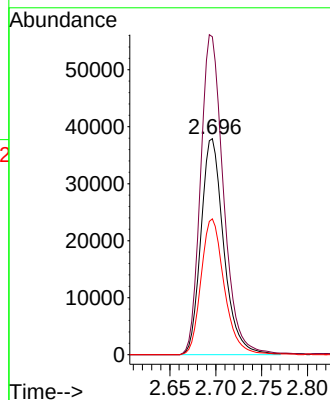
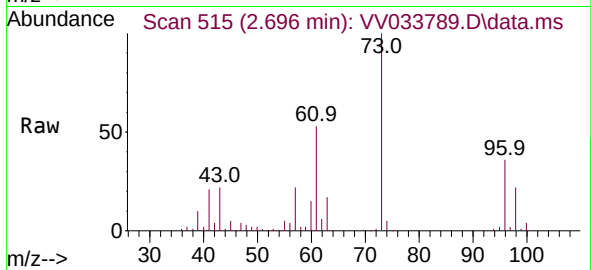




#17
trans-1,2-Dichloroethene
Concen: 45.553 ug/L
RT: 2.696 min Scan# 514
Delta R.T. 0.003 min
Lab File: VV033789.D
Acq: 20 Jan 2024 05:56

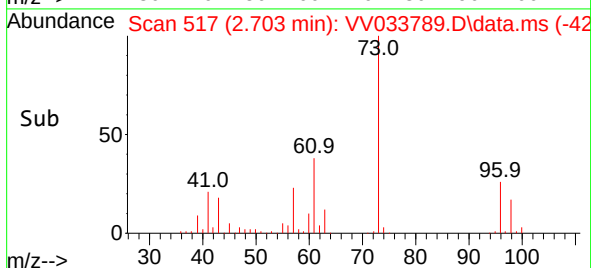
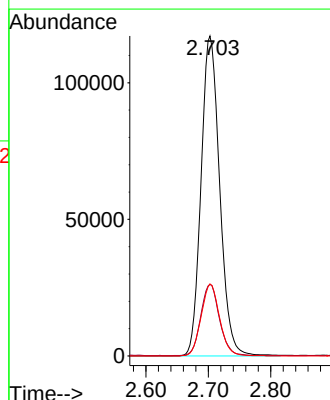
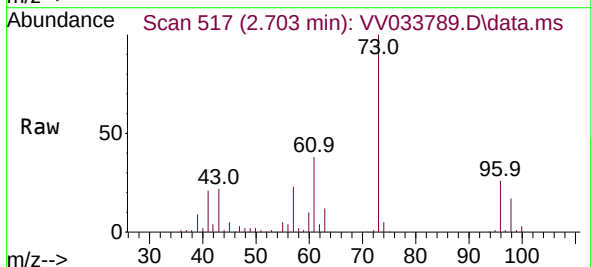
Instrument :
MSVOA_V
ClientSampleId :

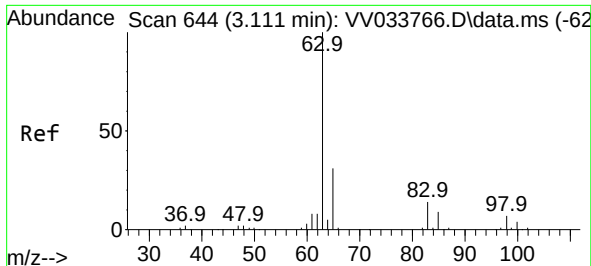
Tgt Ion: 96 Resp: 65733
Ion Ratio Lower Upper
96 100
61 147.2 108.4 201.4
98 62.9 43.8 81.4



#18
Methyl tert-butyl Ether
Concen: 46.904 ug/L
RT: 2.703 min Scan# 517
Delta R.T. 0.000 min
Lab File: VV033789.D
Acq: 20 Jan 2024 05:56

Tgt Ion: 73 Resp: 243424
Ion Ratio Lower Upper
73 100
43 22.1 17.4 26.2
57 22.3 18.6 27.8





#19

1,1-Dichloroethane

Concen: 45.054 ug/L

RT: 3.111 min Scan# 644

Delta R.T. 0.000 min

Lab File: VV033789.D

Acq: 20 Jan 2024 05:56

Instrument :

MSVOA_V

ClientSampleId :

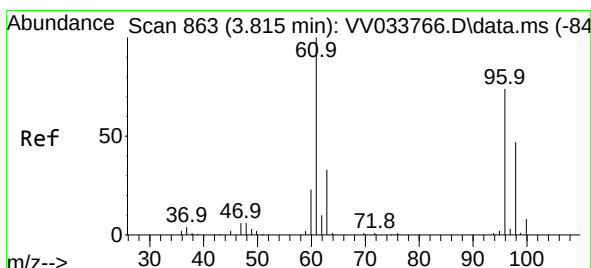
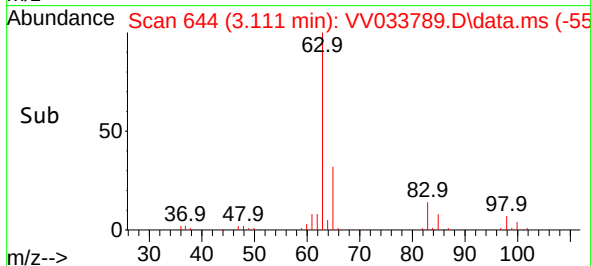
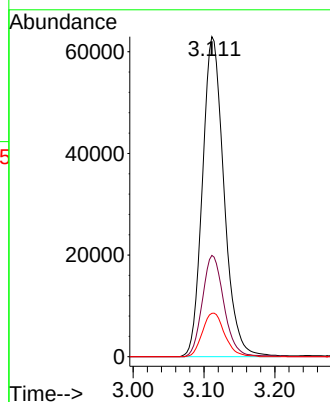
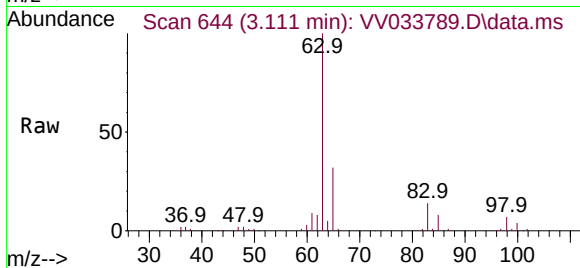
Tgt Ion: 63 Resp: 132913

Ion Ratio Lower Upper

63 100

65 31.6 22.4 41.6

83 13.6 8.9 16.5



#20

cis-1,2-Dichloroethene

Concen: 47.085 ug/L

RT: 3.815 min Scan# 863

Delta R.T. 0.000 min

Lab File: VV033789.D

Acq: 20 Jan 2024 05:56

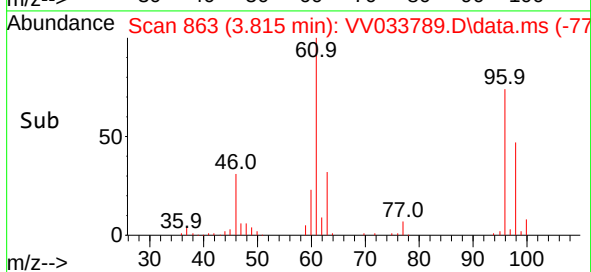
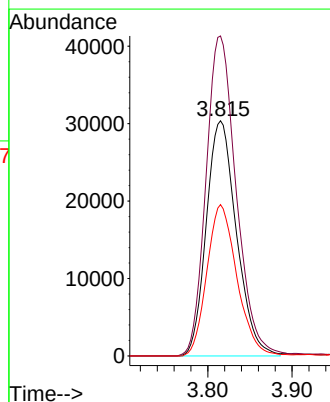
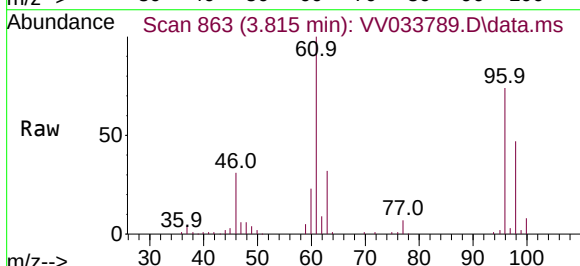
Tgt Ion: 96 Resp: 75619

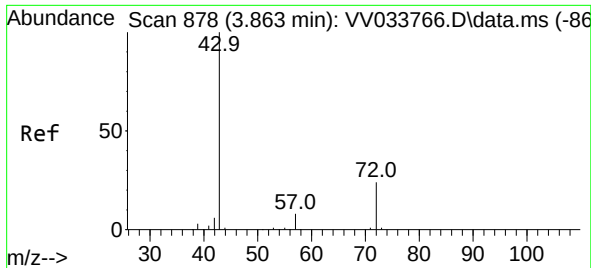
Ion Ratio Lower Upper

96 100

61 136.0 100.6 186.8

98 64.3 44.6 82.8

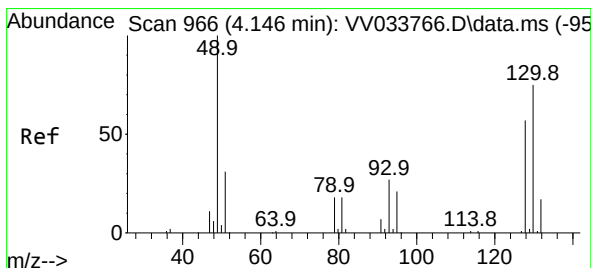
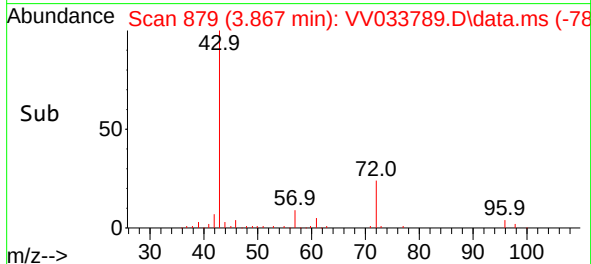
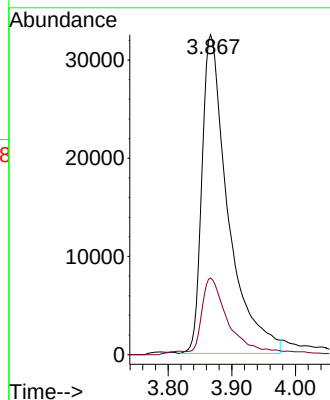
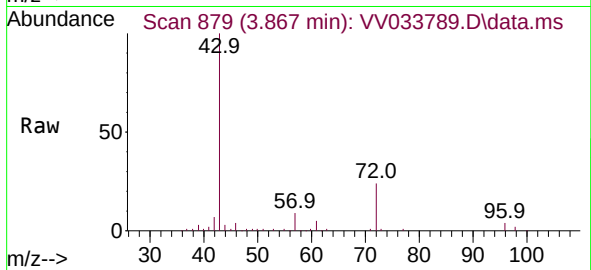




#22
2-Butanone
Concen: 70.135 ug/L
RT: 3.867 min Scan# 81
Delta R.T. 0.003 min
Lab File: VV033789.D
Acq: 20 Jan 2024 05:56

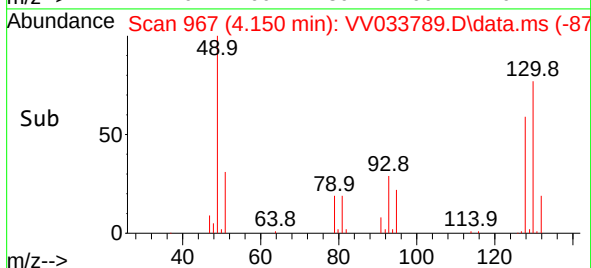
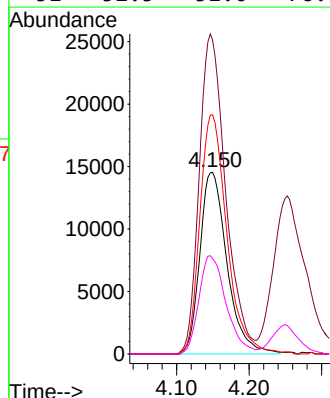
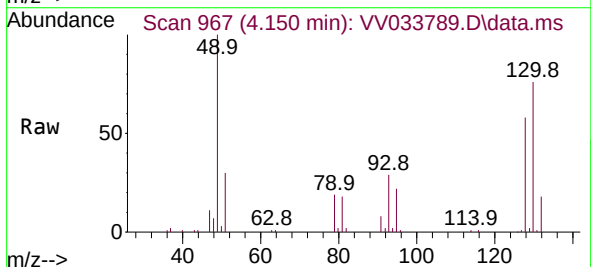
Instrument :
MSVOA_V
ClientSampleId :

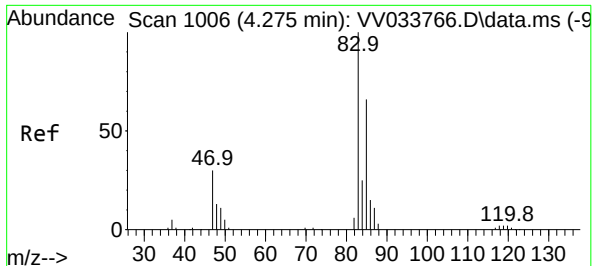
Tgt Ion: 43 Resp: 92412
Ion Ratio Lower Upper
43 100
72 21.5 11.9 35.5



#23
Bromochloromethane
Concen: 48.392 ug/L
RT: 4.150 min Scan# 967
Delta R.T. 0.003 min
Lab File: VV033789.D
Acq: 20 Jan 2024 05:56

Tgt Ion: 128 Resp: 37755
Ion Ratio Lower Upper
128 100
49 172.9 143.9 267.2
130 131.7 90.6 168.2
51 52.5 51.0 76.6

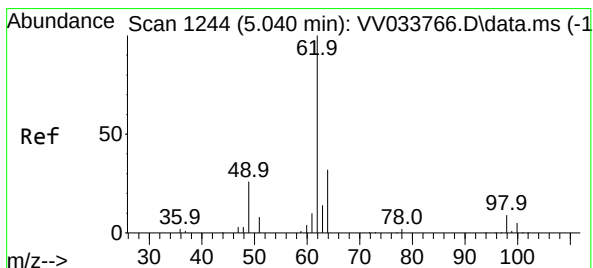
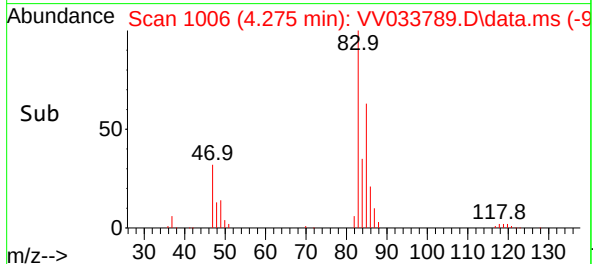
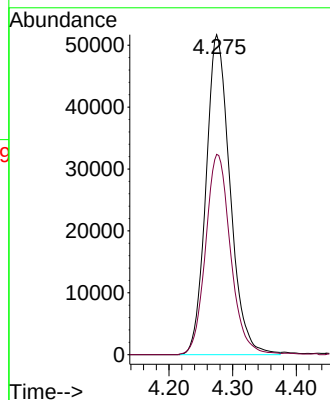
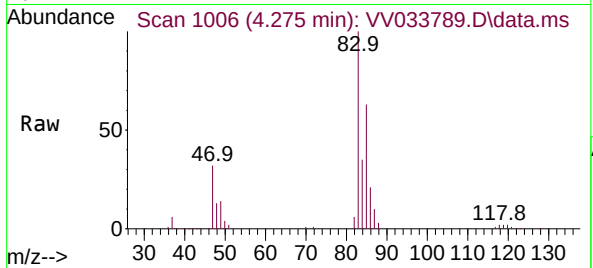




#25
Chloroform
Concen: 48.523 ug/L
RT: 4.275 min Scan# 1006
Delta R.T. 0.000 min
Lab File: VV033789.D
Acq: 20 Jan 2024 05:56

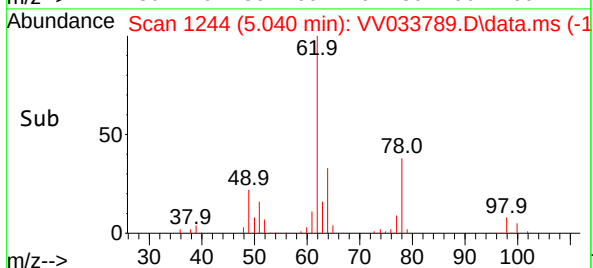
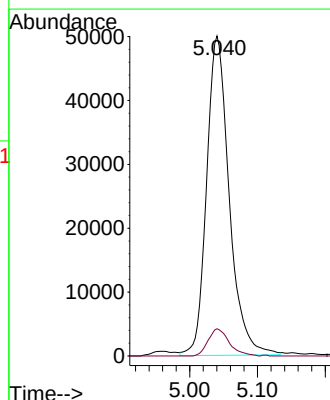
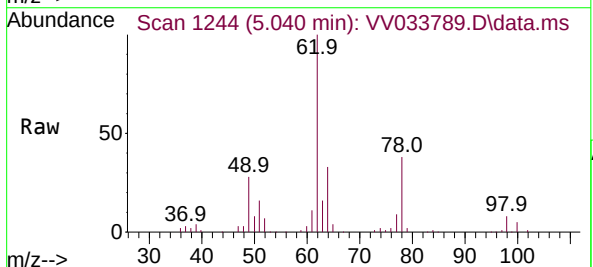
Instrument :
MSVOA_V
ClientSampleId :

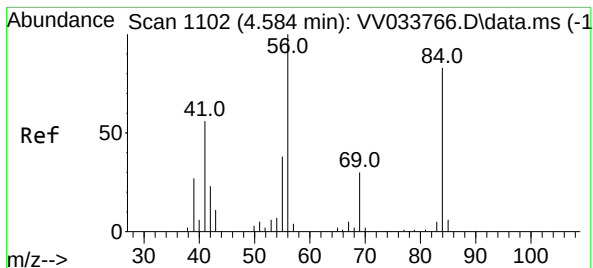
Tgt Ion: 83 Resp: 135723
Ion Ratio Lower Upper
83 100
85 62.6 45.1 83.9



#27
1,2-Dichloroethane
Concen: 49.637 ug/L
RT: 5.040 min Scan# 1244
Delta R.T. 0.000 min
Lab File: VV033789.D
Acq: 20 Jan 2024 05:56

Tgt Ion: 62 Resp: 115963
Ion Ratio Lower Upper
62 100
98 8.5 6.8 10.2





#29

Cyclohexane

Concen: 43.109 ug/L

RT: 4.584 min Scan# 1102

Delta R.T. 0.000 min

Lab File: VV033789.D

Acq: 20 Jan 2024 05:56

Instrument :

MSVOA_V

ClientSampleId :

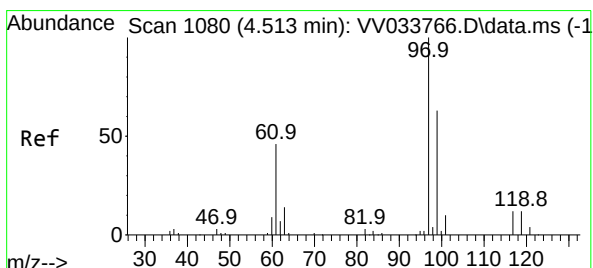
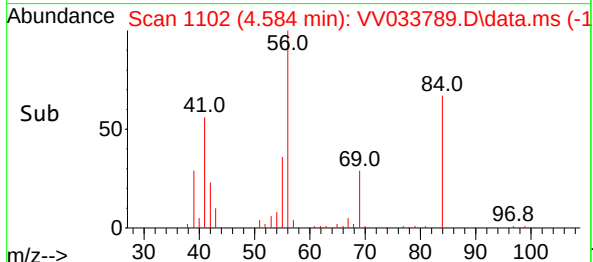
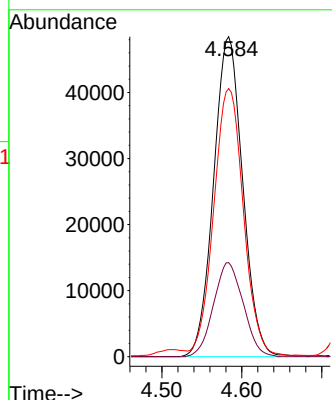
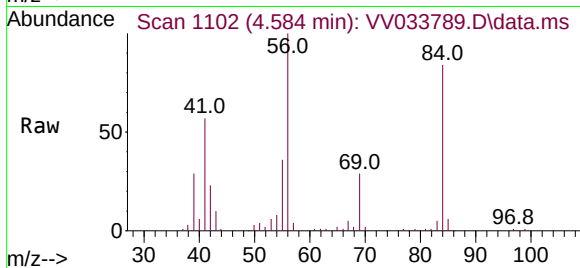
Tgt Ion: 56 Resp: 122288

Ion Ratio Lower Upper

56 100

69 30.0 23.8 35.6

84 85.1 63.8 95.6



#30

1,1,1-Trichloroethane

Concen: 51.664 ug/L

RT: 4.513 min Scan# 1080

Delta R.T. 0.000 min

Lab File: VV033789.D

Acq: 20 Jan 2024 05:56

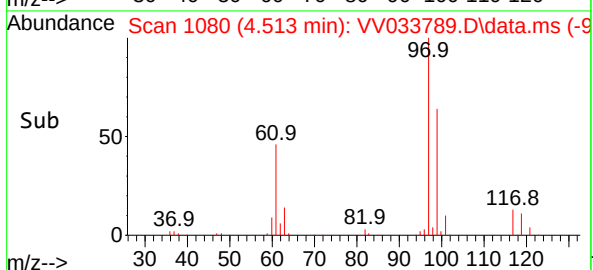
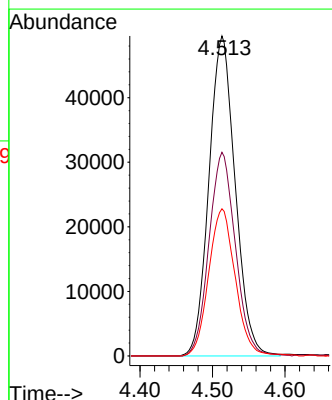
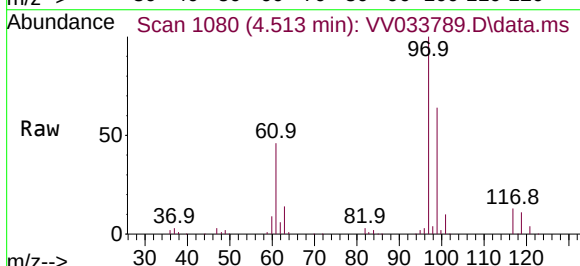
Tgt Ion: 97 Resp: 124754

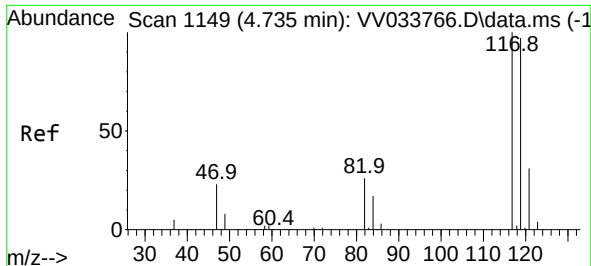
Ion Ratio Lower Upper

97 100

99 64.1 51.4 77.0

61 46.3 38.2 57.2

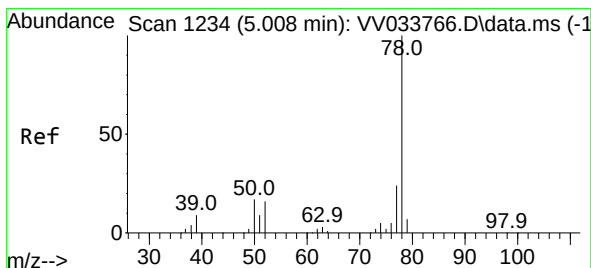
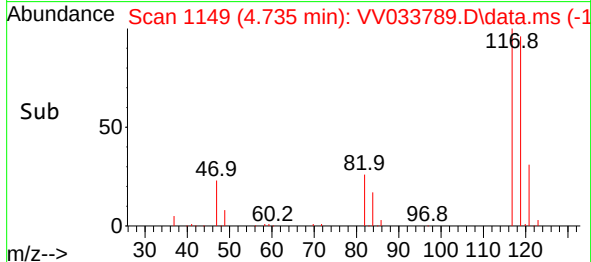
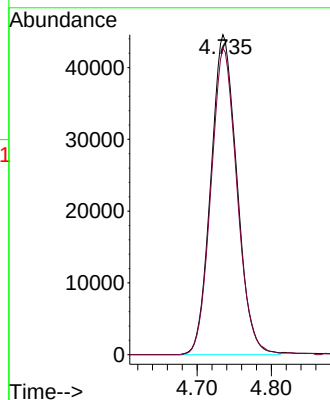
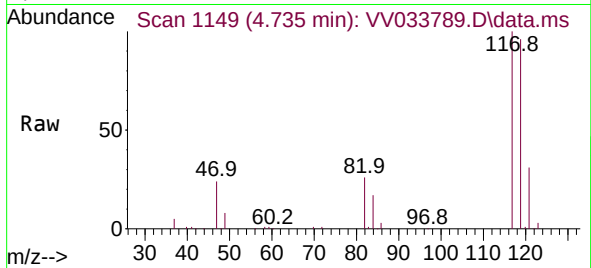




#31
Carbon tetrachloride
Concen: 52.830 ug/L
RT: 4.735 min Scan# 1149
Delta R.T. 0.000 min
Lab File: VV033789.D
Acq: 20 Jan 2024 05:56

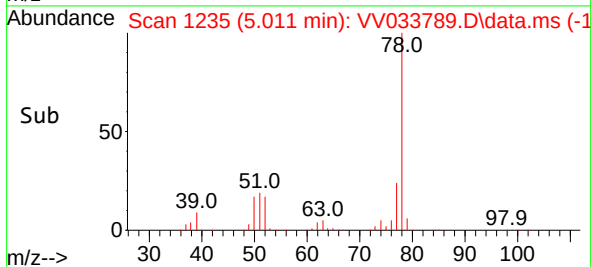
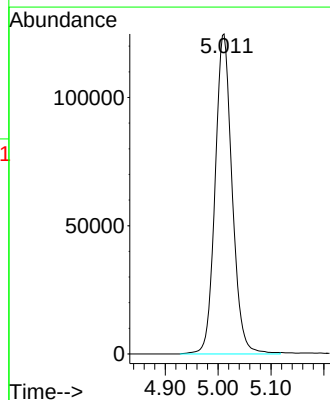
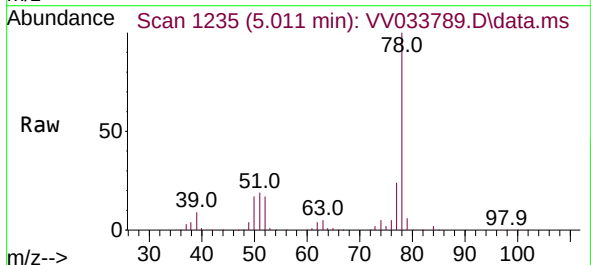
Instrument :
MSVOA_V
ClientSampleId :

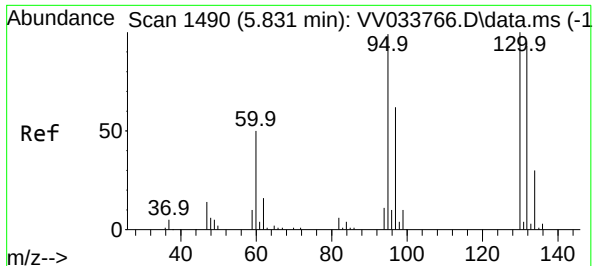
Tgt Ion:117 Resp: 108889
Ion Ratio Lower Upper
117 100
119 95.7 77.0 115.4



#33
Benzene
Concen: 47.298 ug/L
RT: 5.011 min Scan# 1235
Delta R.T. 0.003 min
Lab File: VV033789.D
Acq: 20 Jan 2024 05:56

Tgt Ion: 78 Resp: 279529

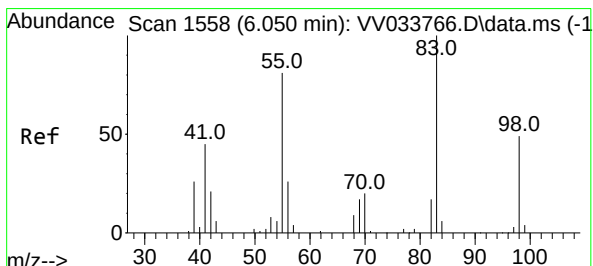
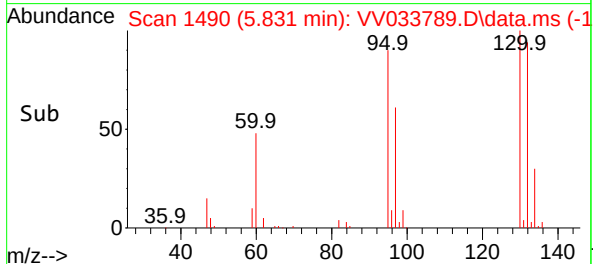
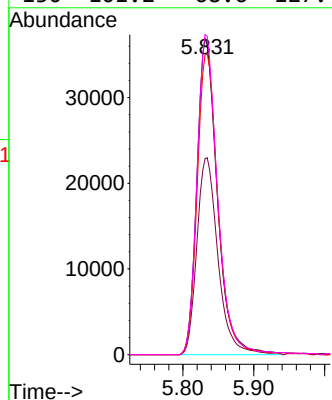
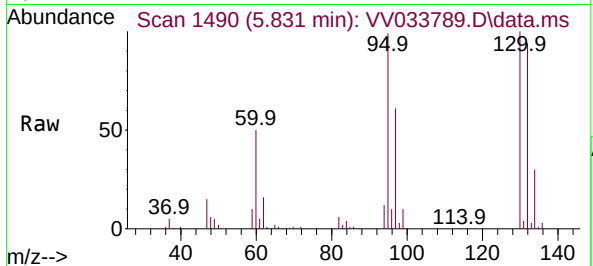




#34
Trichloroethene
Concen: 46.713 ug/L
RT: 5.831 min Scan# 1490
Delta R.T. 0.000 min
Lab File: VV033789.D
Acq: 20 Jan 2024 05:56

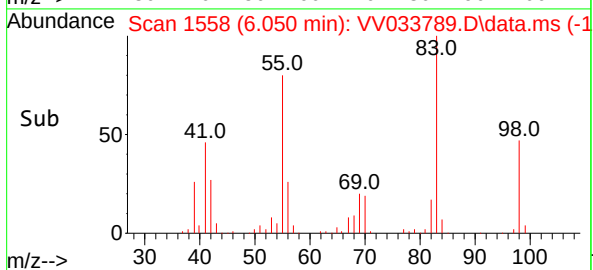
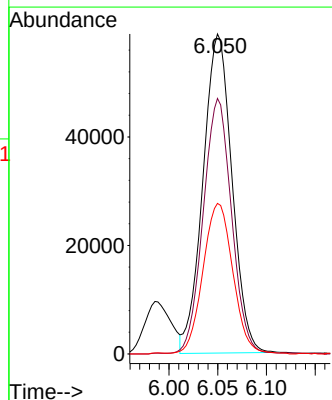
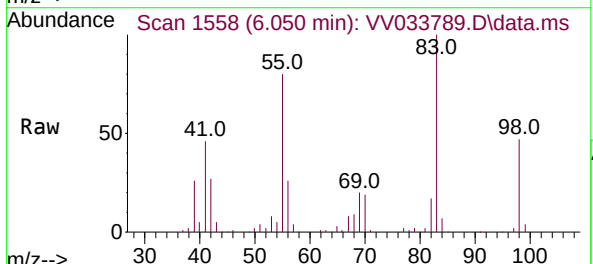
Instrument :
MSVOA_V
ClientSampleId :

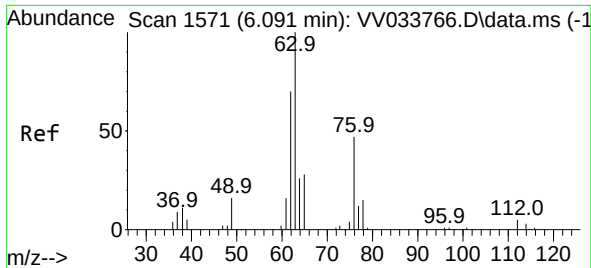
Tgt Ion: 95 Resp: 74057
Ion Ratio Lower Upper
95 100
97 62.0 44.4 82.4
132 94.8 65.5 121.7
130 101.2 68.6 127.4



#35
Methylcyclohexane
Concen: 44.874 ug/L
RT: 6.050 min Scan# 1558
Delta R.T. 0.000 min
Lab File: VV033789.D
Acq: 20 Jan 2024 05:56

Tgt Ion: 83 Resp: 121748
Ion Ratio Lower Upper
83 100
55 78.2 67.1 100.7
98 48.7 37.7 56.5

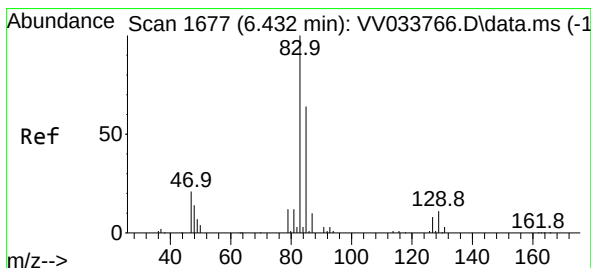
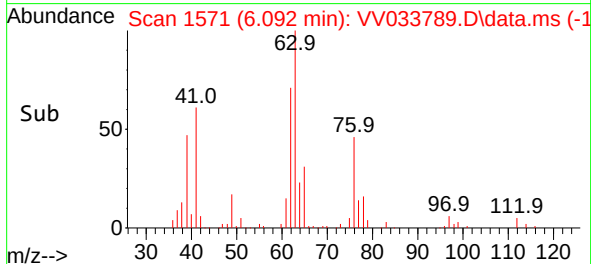
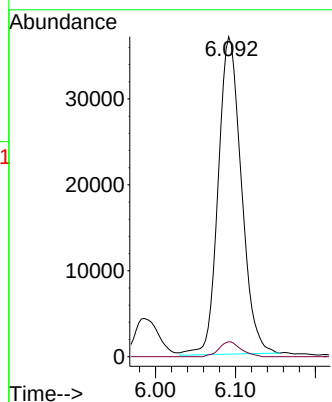
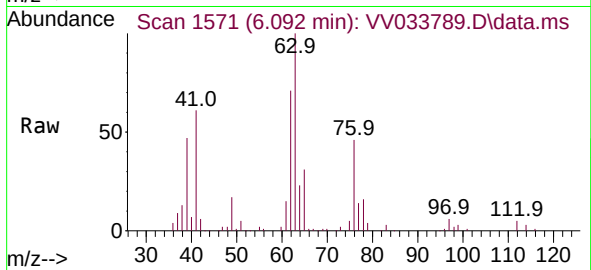




#37
 1,2-Dichloropropane
 Concen: 45.649 ug/L
 RT: 6.092 min Scan# 1571
 Delta R.T. 0.000 min
 Lab File: VV033789.D
 Acq: 20 Jan 2024 05:56

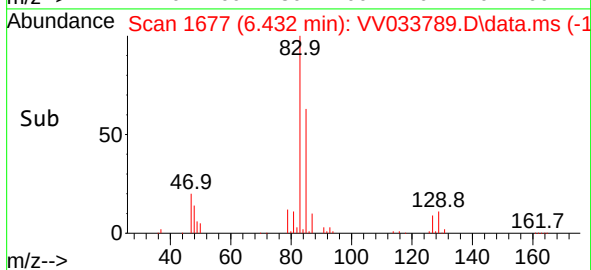
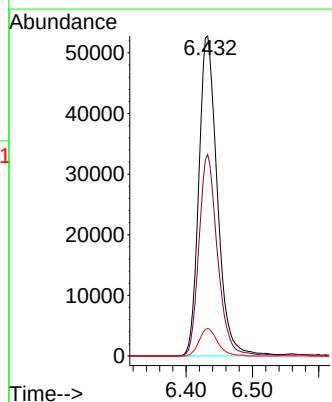
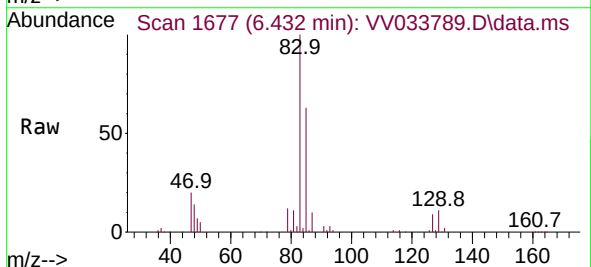
Instrument :
 MSVOA_V
 ClientSampleId :

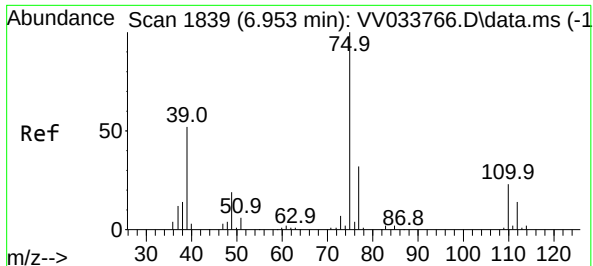
Tgt Ion: 63 Resp: 74239
 Ion Ratio Lower Upper
 63 100
 112 4.5 3.1 4.7



#38
 Bromodichloromethane
 Concen: 48.132 ug/L
 RT: 6.432 min Scan# 1677
 Delta R.T. 0.000 min
 Lab File: VV033789.D
 Acq: 20 Jan 2024 05:56

Tgt Ion: 83 Resp: 102403
 Ion Ratio Lower Upper
 83 100
 85 62.9 45.1 83.7
 127 8.6 6.6 9.8





#39

cis-1,3-Dichloropropene

Concen: 43.440 ug/L

RT: 6.953 min Scan# 1839

Delta R.T. 0.000 min

Lab File: VV033789.D

Acq: 20 Jan 2024 05:56

Instrument :

MSVOA_V

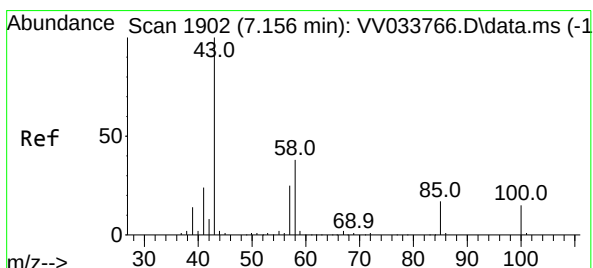
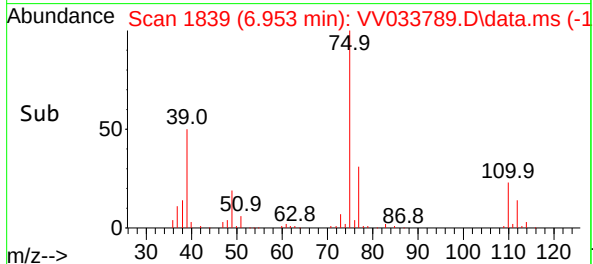
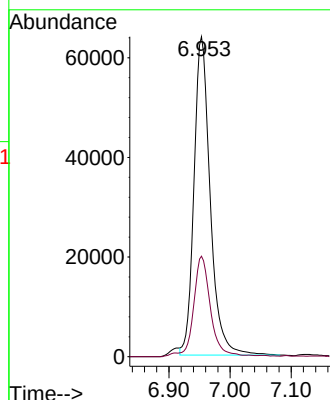
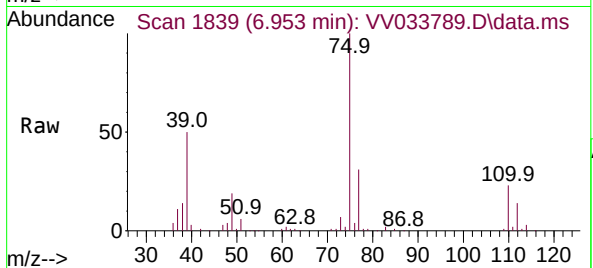
ClientSampleId :

Tgt Ion: 75 Resp: 117976

Ion Ratio Lower Upper

75 100

77 31.4 22.0 41.0



#40

4-Methyl-2-pentanone

Concen: 83.244 ug/L

RT: 7.156 min Scan# 1902

Delta R.T. 0.000 min

Lab File: VV033789.D

Acq: 20 Jan 2024 05:56

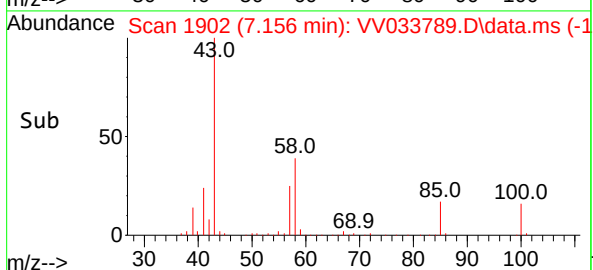
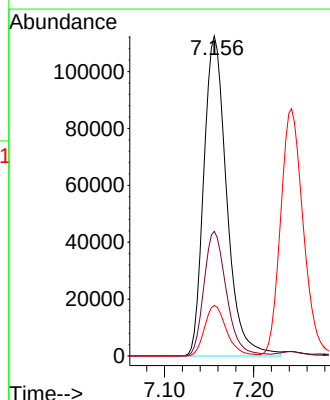
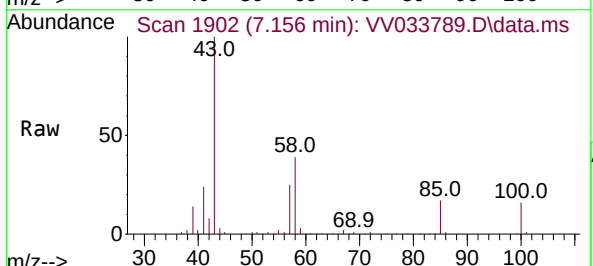
Tgt Ion: 43 Resp: 200599

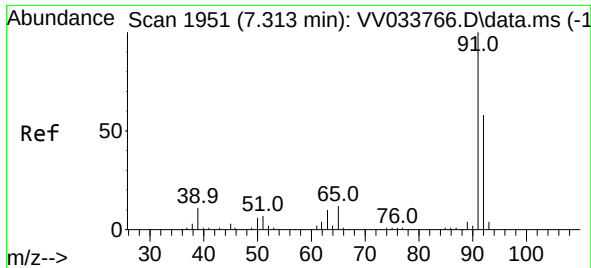
Ion Ratio Lower Upper

43 100

58 38.4 29.6 44.4

100 15.2 10.6 16.0





#42

Toluene

Concen: 48.035 ug/L

RT: 7.313 min Scan# 1951

Delta R.T. 0.000 min

Lab File: VV033789.D

Acq: 20 Jan 2024 05:56

Instrument :

MSVOA_V

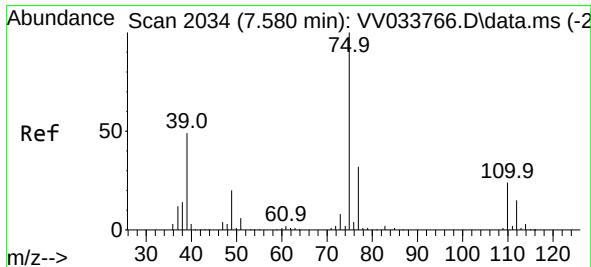
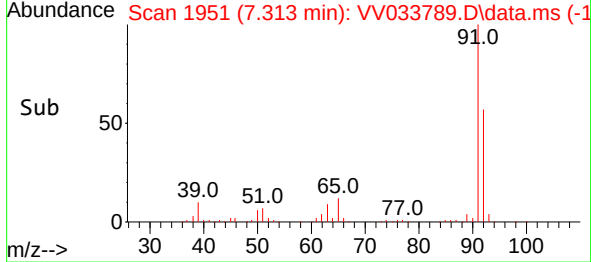
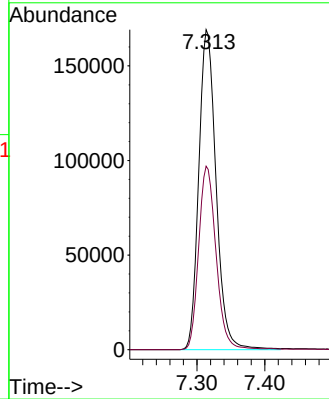
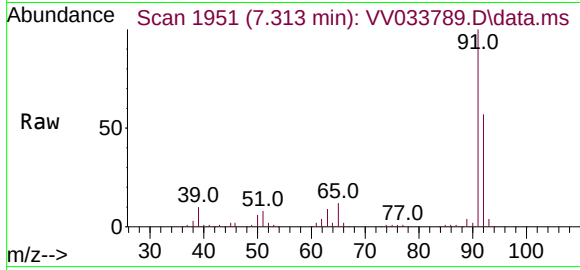
ClientSampleId :

Tgt Ion: 91 Resp: 300097

Ion Ratio Lower Upper

91 100

92 57.3 41.2 76.6



#44

trans-1,3-Dichloropropene

Concen: 44.612 ug/L

RT: 7.580 min Scan# 2034

Delta R.T. 0.000 min

Lab File: VV033789.D

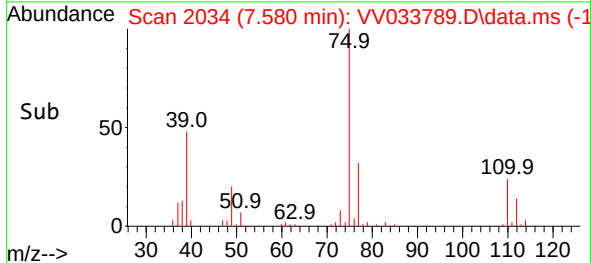
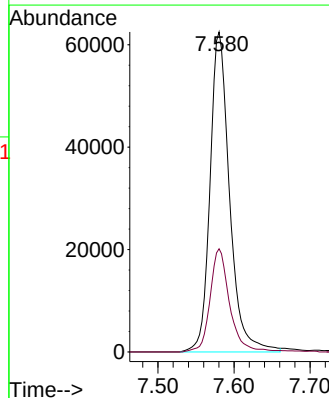
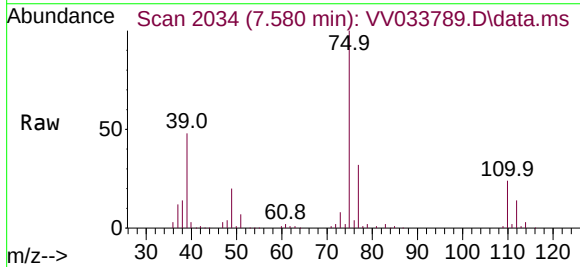
Acq: 20 Jan 2024 05:56

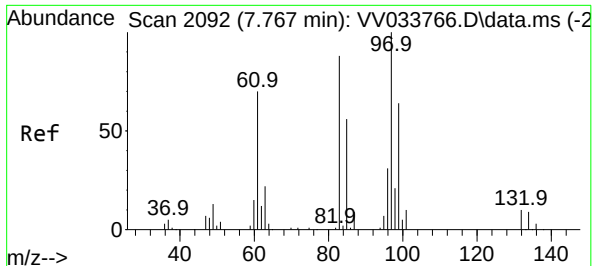
Tgt Ion: 75 Resp: 111650

Ion Ratio Lower Upper

75 100

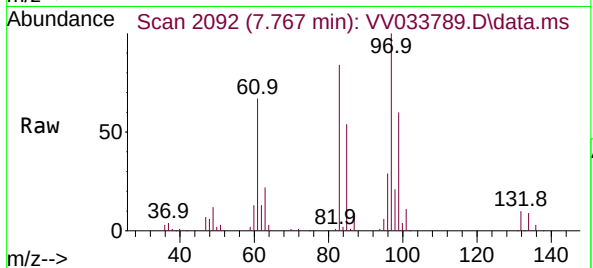
77 32.3 21.6 40.0



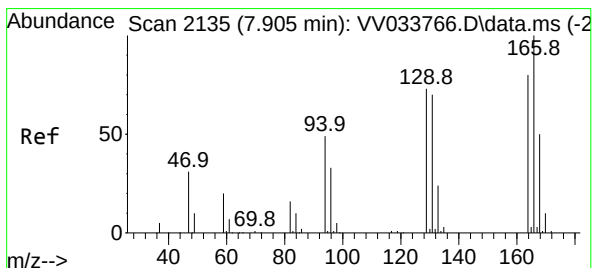
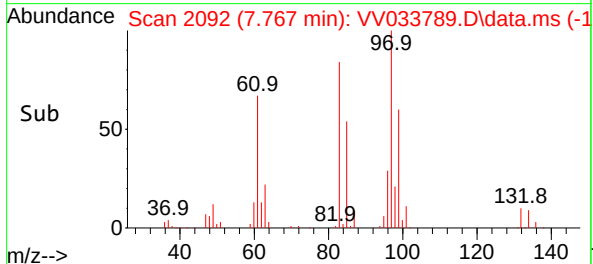
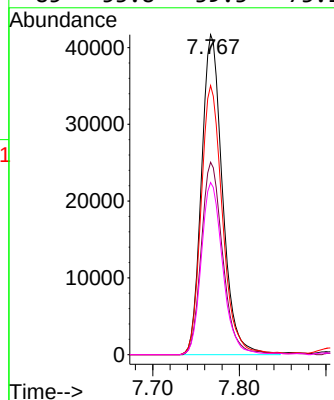


#45
1,1,2-Trichloroethane
Concen: 47.749 ug/L
RT: 7.767 min Scan# 2092
Delta R.T. 0.000 min
Lab File: VV033789.D
Acq: 20 Jan 2024 05:56

Instrument :
MSVOA_V
ClientSampleId :

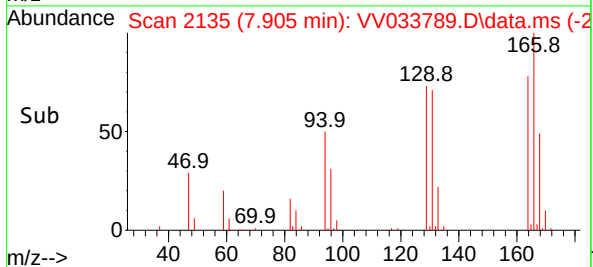
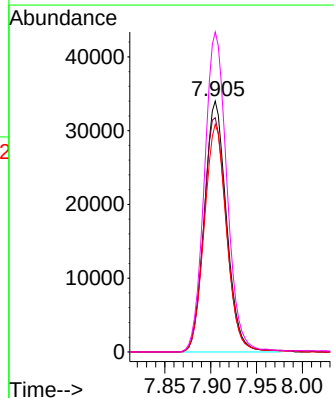
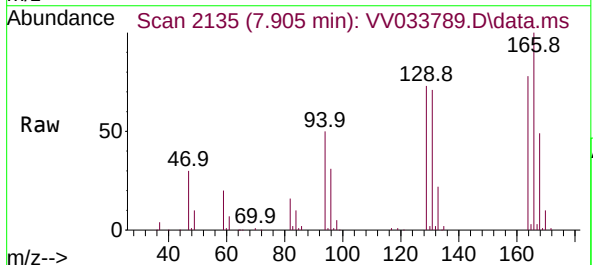


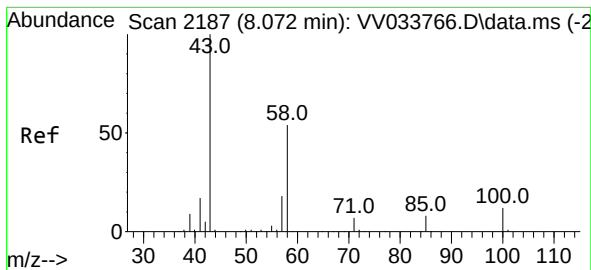
Tgt Ion:	97	Resp:	70459
Ion	Ratio	Lower	Upper
97	100		
99	60.1	42.8	79.6
83	84.1	61.2	113.8
85	53.8	39.3	73.1



#46
Tetrachloroethene
Concen: 49.132 ug/L
RT: 7.905 min Scan# 2135
Delta R.T. 0.000 min
Lab File: VV033789.D
Acq: 20 Jan 2024 05:56

Tgt Ion:	164	Resp:	57131
Ion	Ratio	Lower	Upper
164	100		
129	93.3	66.1	122.7
131	90.8	65.9	122.5
166	127.5	88.5	164.3





#48

2-Hexanone

Concen: 76.902 ug/L

RT: 8.075 min Scan# 2187

Delta R.T. 0.003 min

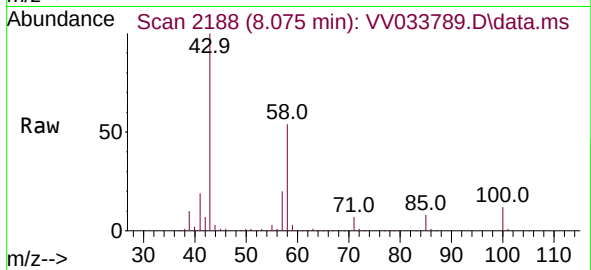
Lab File: VV033789.D

Acq: 20 Jan 2024 05:56

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion: 43 Resp: 147663

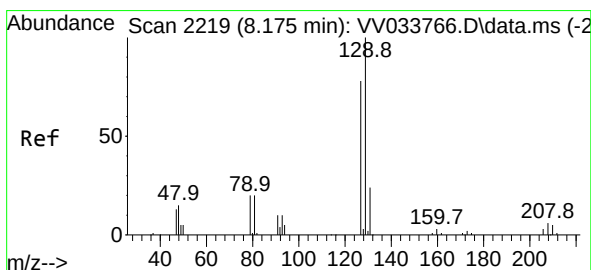
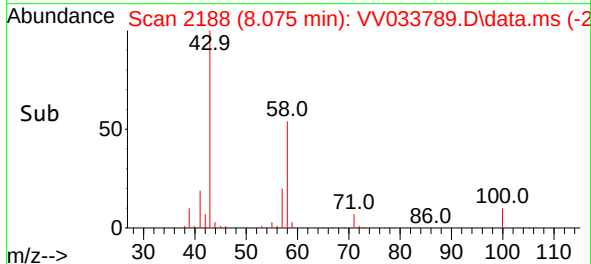
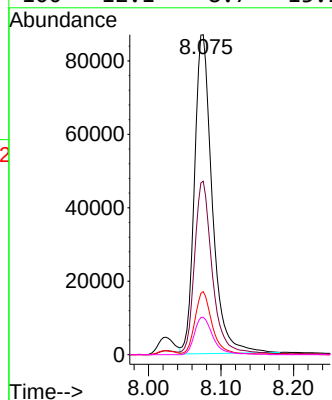
Ion Ratio Lower Upper

43 100

58 54.3 42.3 63.5

57 18.7 14.2 21.2

100 12.1 8.7 13.1



#49

Dibromochloromethane

Concen: 47.261 ug/L

RT: 8.175 min Scan# 2219

Delta R.T. 0.000 min

Lab File: VV033789.D

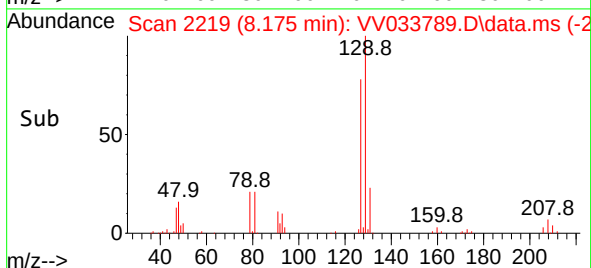
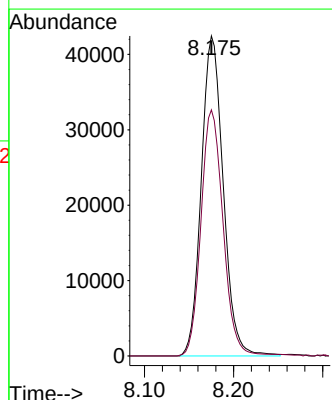
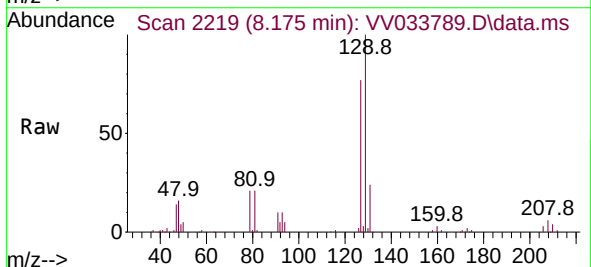
Acq: 20 Jan 2024 05:56

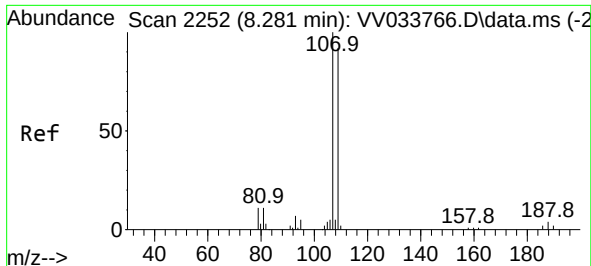
Tgt Ion:129 Resp: 72633

Ion Ratio Lower Upper

129 100

127 76.9 54.5 101.3





#50

1,2-Dibromoethane

Concen: 46.721 ug/L

RT: 8.281 min Scan# 21

Delta R.T. 0.000 min

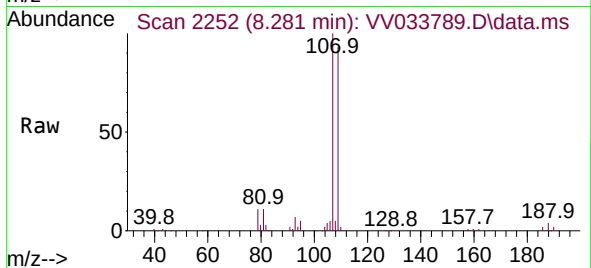
Lab File: VV033789.D

Acq: 20 Jan 2024 05:56

Instrument :

MSVOA_V

ClientSampleId :



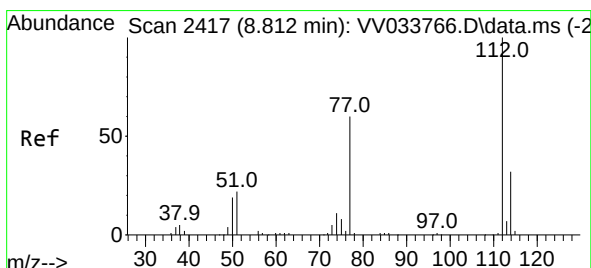
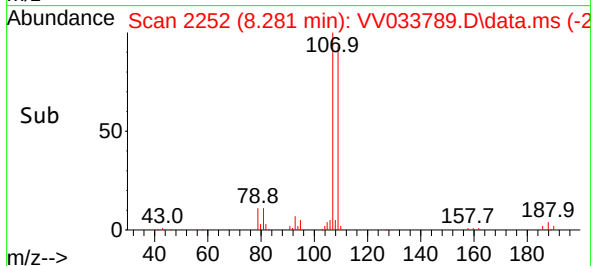
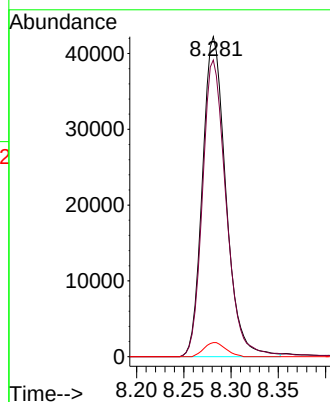
Tgt Ion:107 Resp: 72857

Ion Ratio Lower Upper

107 100

109 92.7 66.4 123.4

188 4.4 2.7 4.1#



#51

Chlorobenzene

Concen: 48.003 ug/L

RT: 8.812 min Scan# 2417

Delta R.T. 0.000 min

Lab File: VV033789.D

Acq: 20 Jan 2024 05:56

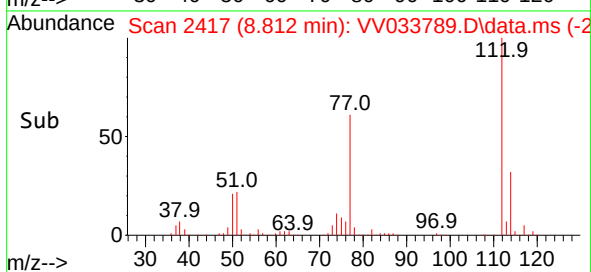
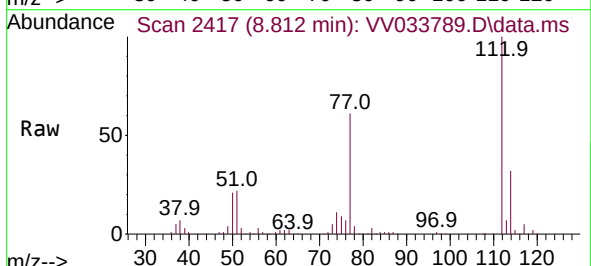
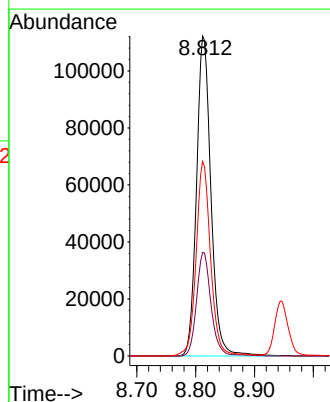
Tgt Ion:112 Resp: 191028

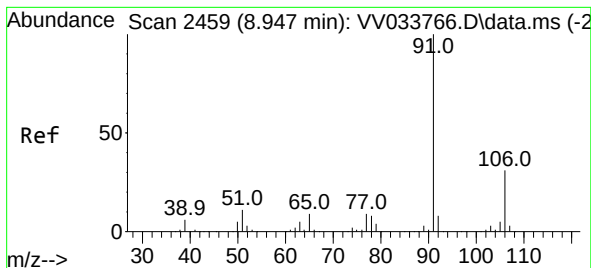
Ion Ratio Lower Upper

112 100

114 32.4 22.5 41.7

77 60.8 49.4 74.0





#52

Ethylbenzene

Concen: 46.942 ug/L

RT: 8.944 min Scan# 2459

Delta R.T. -0.003 min

Lab File: VV033789.D

Acq: 20 Jan 2024 05:56

Instrument :

MSVOA_V

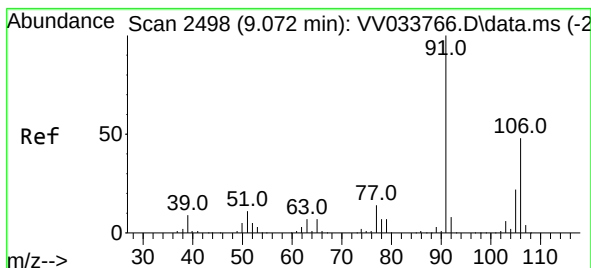
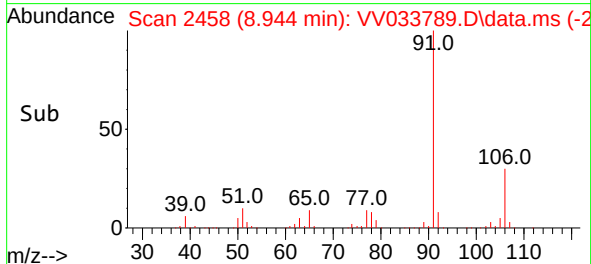
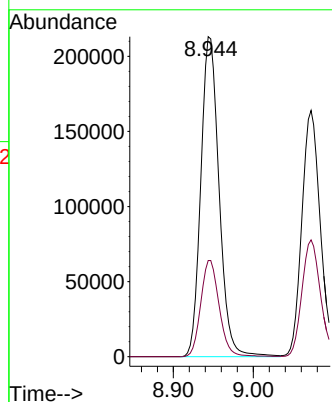
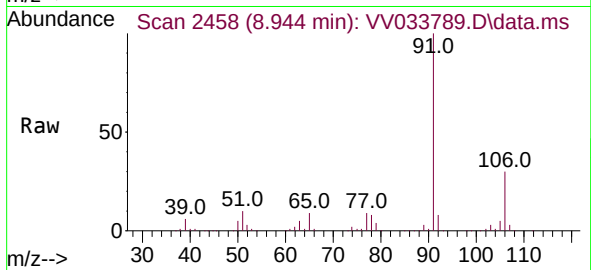
ClientSampleId :

Tgt Ion: 91 Resp: 339673

Ion Ratio Lower Upper

91 100

106 30.1 21.5 39.9



#53

m,p-Xylene

Concen: 47.189 ug/L

RT: 9.072 min Scan# 2498

Delta R.T. 0.000 min

Lab File: VV033789.D

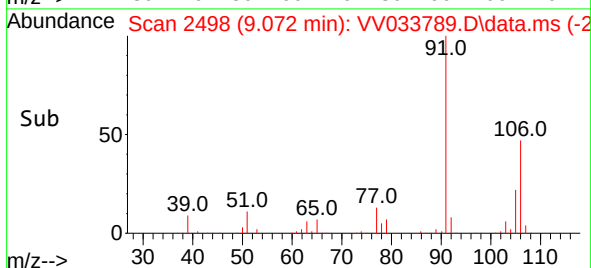
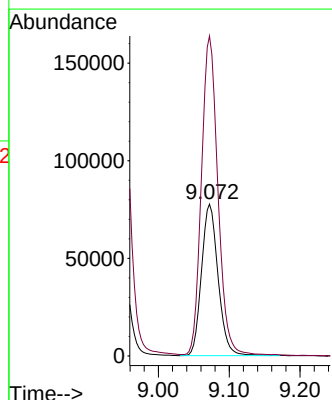
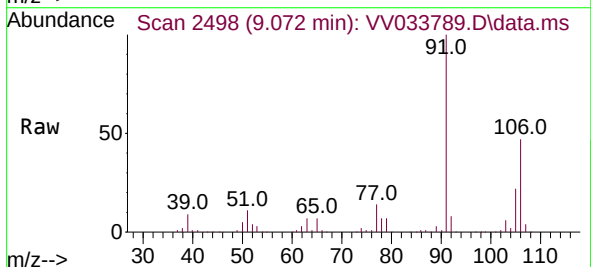
Acq: 20 Jan 2024 05:56

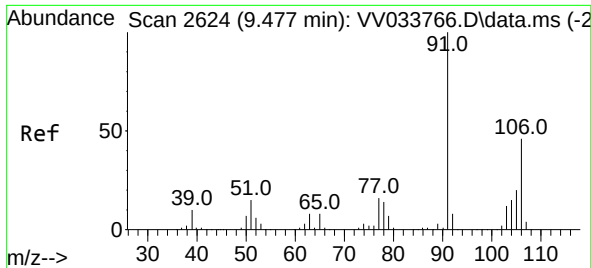
Tgt Ion:106 Resp: 126062

Ion Ratio Lower Upper

106 100

91 210.8 146.1 271.3

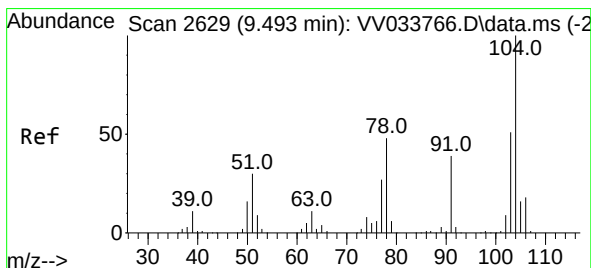
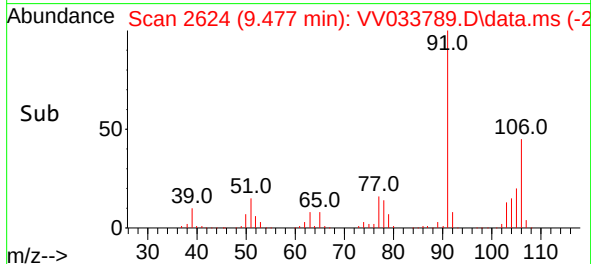
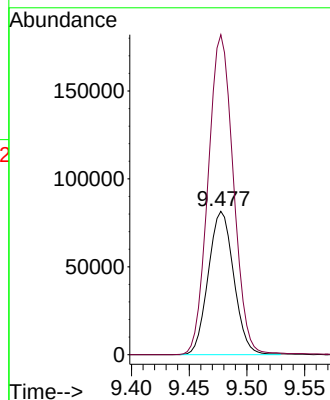
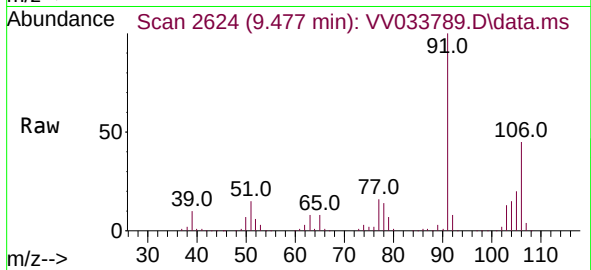




#54
o-Xylene
Concen: 47.351 ug/L
RT: 9.477 min Scan# 2624
Delta R.T. 0.000 min
Lab File: VV033789.D
Acq: 20 Jan 2024 05:56

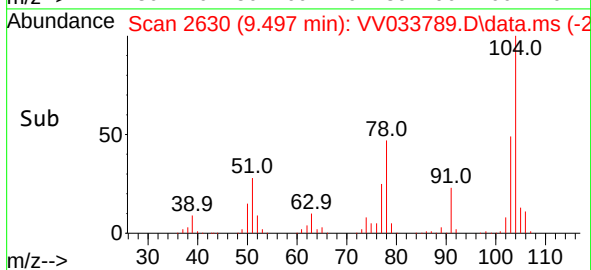
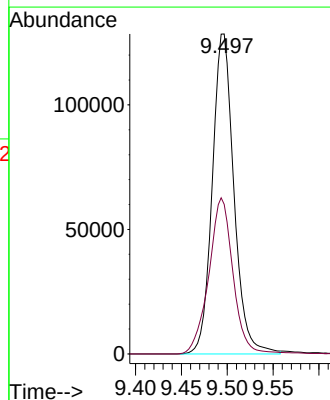
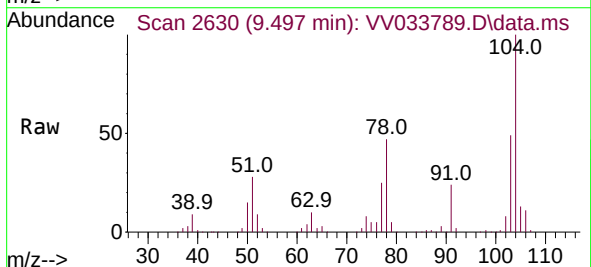
Instrument :
MSVOA_V
ClientSampleId :

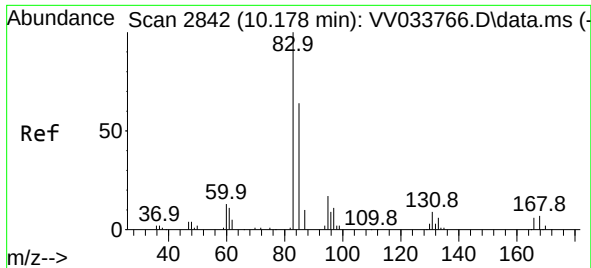
Tgt Ion:106 Resp: 125230
Ion Ratio Lower Upper
106 100
91 223.1 155.2 288.2



#55
Styrene
Concen: 46.258 ug/L
RT: 9.497 min Scan# 2630
Delta R.T. 0.003 min
Lab File: VV033789.D
Acq: 20 Jan 2024 05:56

Tgt Ion:104 Resp: 211218
Ion Ratio Lower Upper
104 100
78 46.8 33.0 61.4

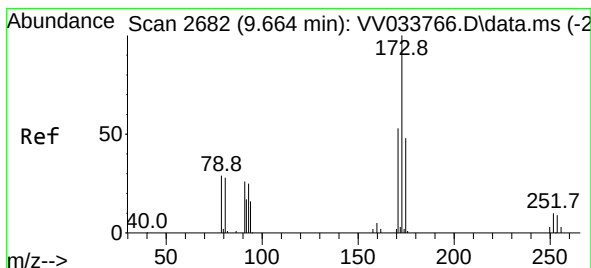
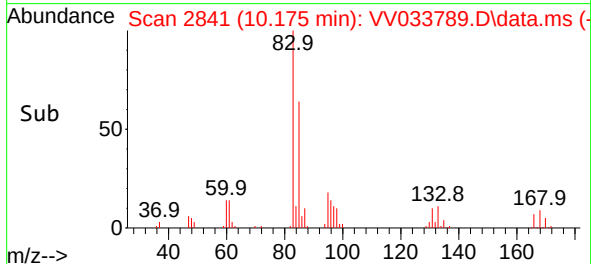
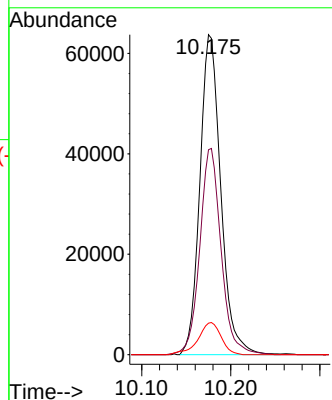
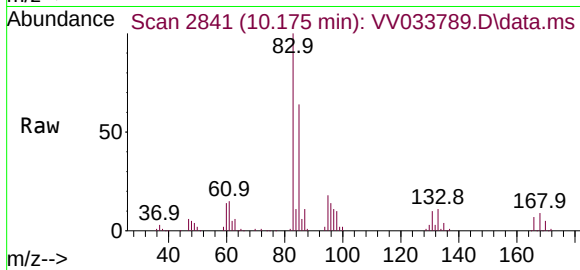




#57
1,1,2,2-Tetrachloroethane
Concen: 44.270 ug/L
RT: 10.175 min Scan# 2841
Delta R.T. -0.003 min
Lab File: VV033789.D
Acq: 20 Jan 2024 05:56

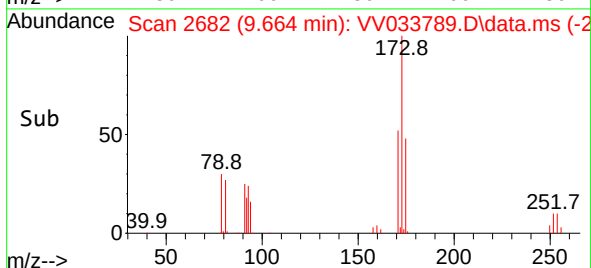
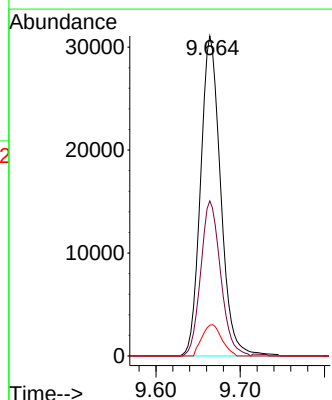
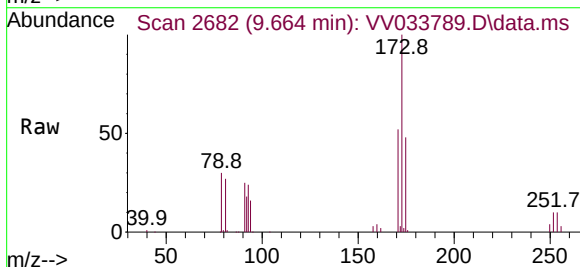
Instrument :
MSVOA_V
ClientSampleId :

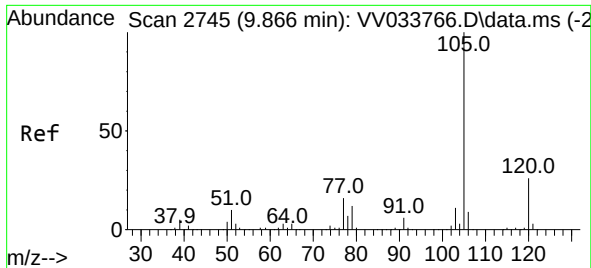
Tgt Ion: 83 Resp: 103963
Ion Ratio Lower Upper
83 100
85 64.1 44.9 83.5
131 9.9 7.5 11.3



#59
Bromoform
Concen: 46.560 ug/L
RT: 9.664 min Scan# 2682
Delta R.T. 0.000 min
Lab File: VV033789.D
Acq: 20 Jan 2024 05:56

Tgt Ion: 173 Resp: 51577
Ion Ratio Lower Upper
173 100
175 48.0 37.2 55.8
254 9.6 7.4 11.0

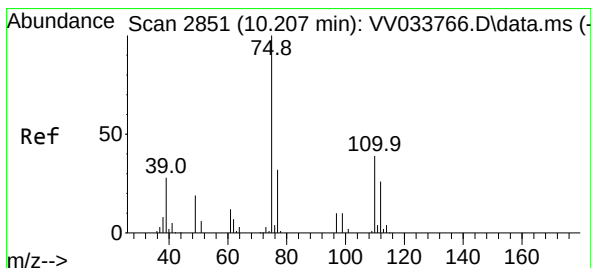
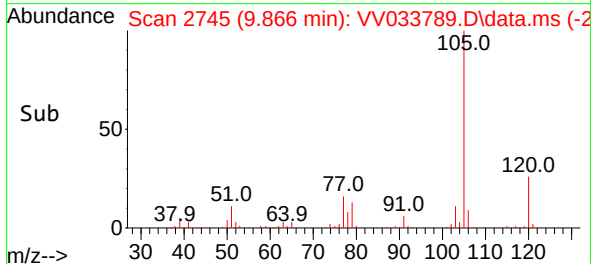
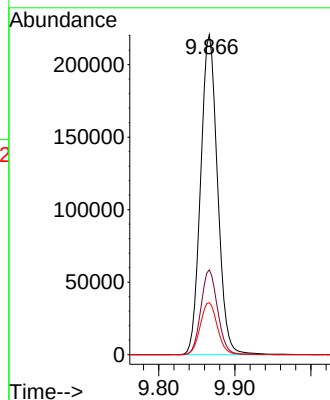
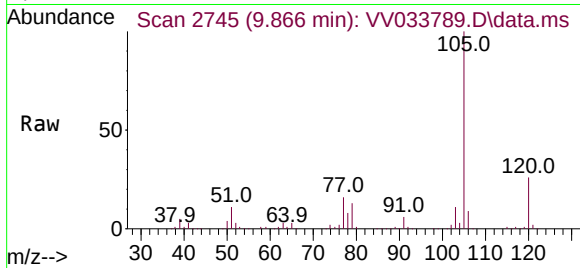




#60
Isopropylbenzene
Concen: 48.338 ug/L
RT: 9.866 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV033789.D
Acq: 20 Jan 2024 05:56

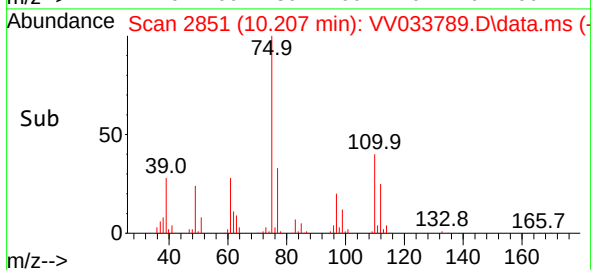
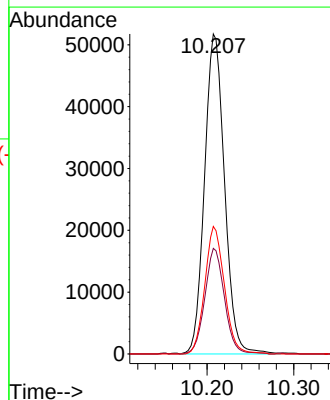
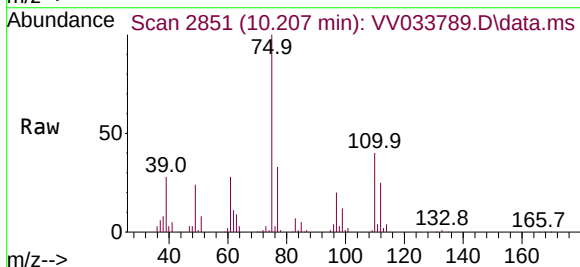
Instrument :
MSVOA_V
ClientSampleId :

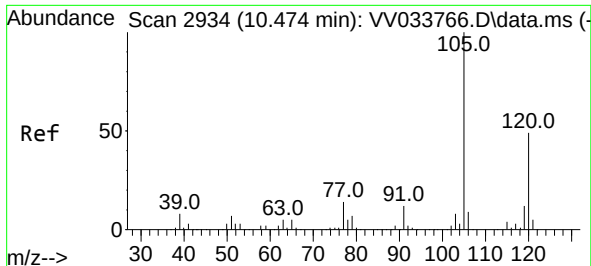
Tgt Ion:105 Resp: 340873
Ion Ratio Lower Upper
105 100
120 26.0 20.6 31.0
77 16.5 13.4 20.0



#61
1,2,3-Trichloropropane
Concen: 44.973 ug/L
RT: 10.207 min Scan# 2851
Delta R.T. 0.000 min
Lab File: VV033789.D
Acq: 20 Jan 2024 05:56

Tgt Ion: 75 Resp: 83188
Ion Ratio Lower Upper
75 100
77 32.3 25.3 37.9
110 39.0 29.5 44.3

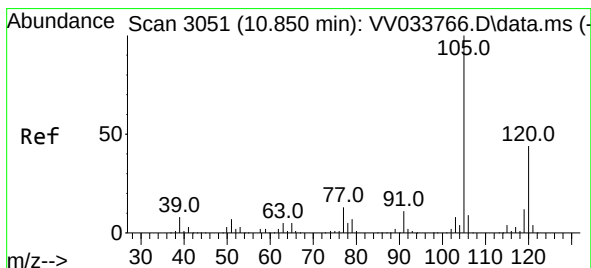
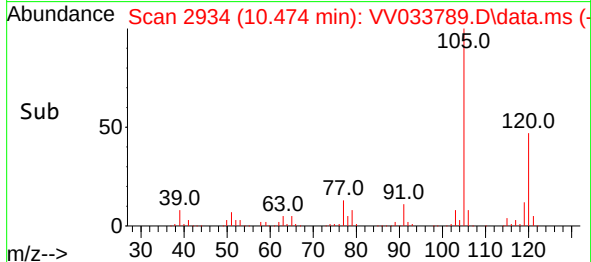
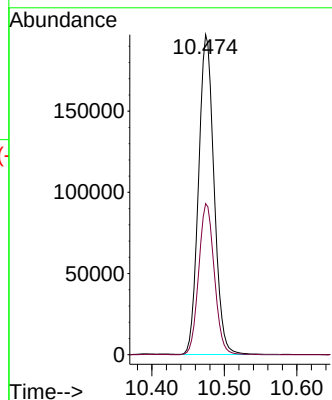
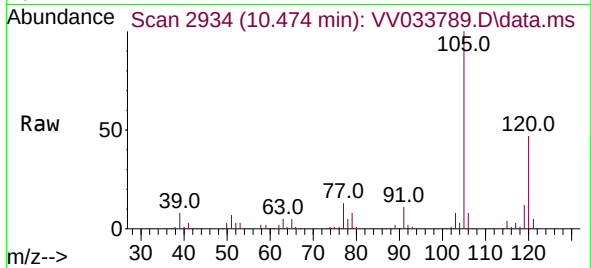




#62
1,3,5-Trimethylbenzene
Concen: 48.192 ug/L
RT: 10.474 min Scan# 2934
Delta R.T. 0.000 min
Lab File: VV033789.D
Acq: 20 Jan 2024 05:56

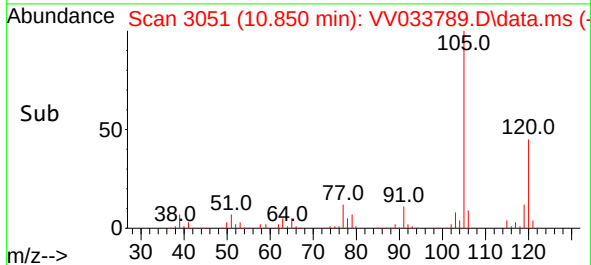
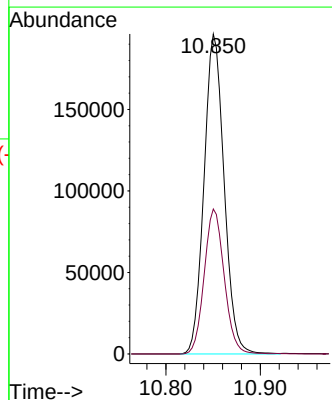
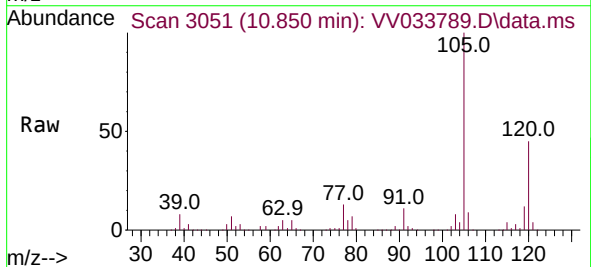
Instrument :
MSVOA_V
ClientSampleId :

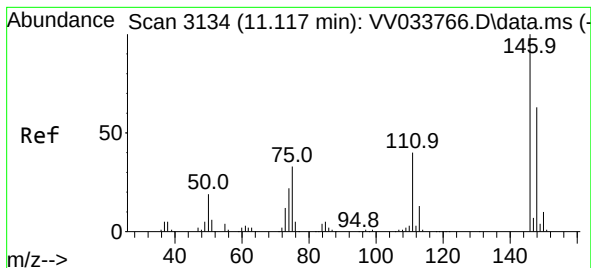
Tgt Ion:105 Resp: 291591
Ion Ratio Lower Upper
105 100
120 47.7 39.1 58.7



#63
1,2,4-Trimethylbenzene
Concen: 48.095 ug/L
RT: 10.850 min Scan# 3051
Delta R.T. 0.000 min
Lab File: VV033789.D
Acq: 20 Jan 2024 05:56

Tgt Ion:105 Resp: 289948
Ion Ratio Lower Upper
105 100
120 45.0 35.4 53.0





#64

1,3-Dichlorobenzene

Concen: 48.274 ug/L

RT: 11.117 min Scan# 3134

Delta R.T. 0.000 min

Lab File: VV033789.D

Acq: 20 Jan 2024 05:56

Instrument :

MSVOA_V

ClientSampleId :

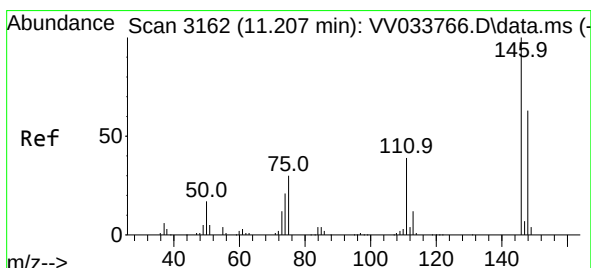
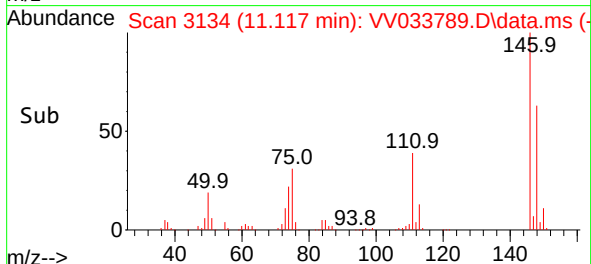
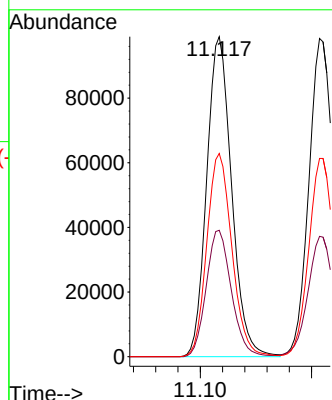
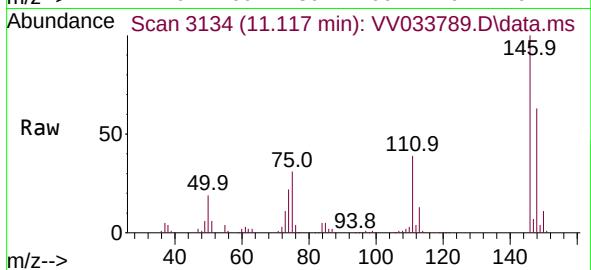
Tgt Ion:146 Resp: 153767

Ion Ratio Lower Upper

146 100

111 39.5 29.0 53.8

148 63.5 43.9 81.5



#65

1,4-Dichlorobenzene

Concen: 48.843 ug/L

RT: 11.207 min Scan# 3162

Delta R.T. 0.000 min

Lab File: VV033789.D

Acq: 20 Jan 2024 05:56

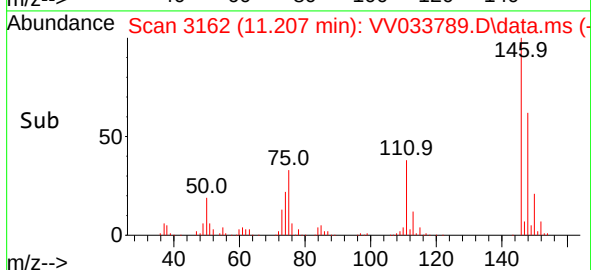
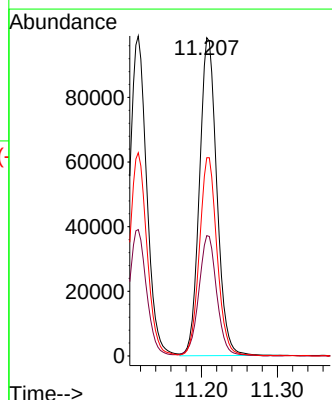
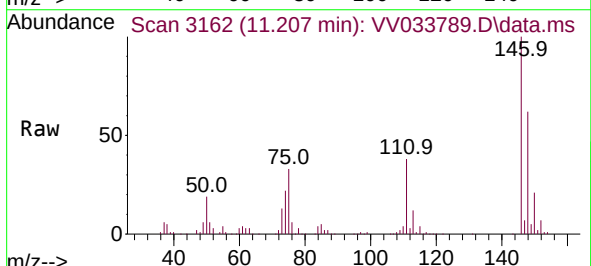
Tgt Ion:146 Resp: 156001

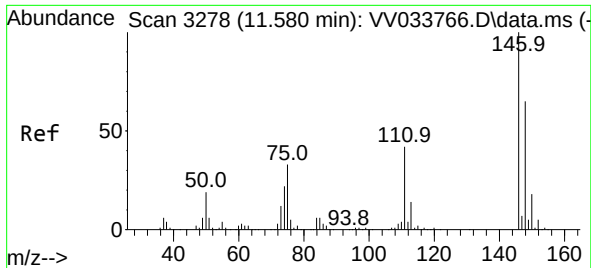
Ion Ratio Lower Upper

146 100

111 37.8 27.7 51.5

148 62.3 44.1 81.9

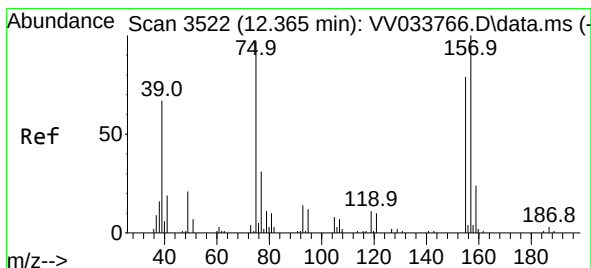
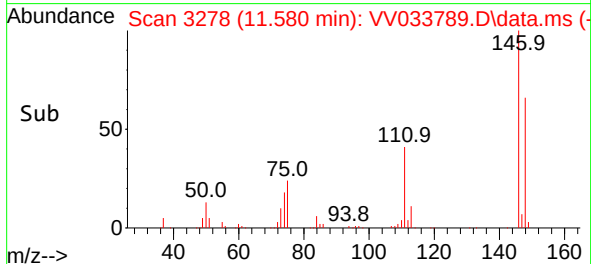
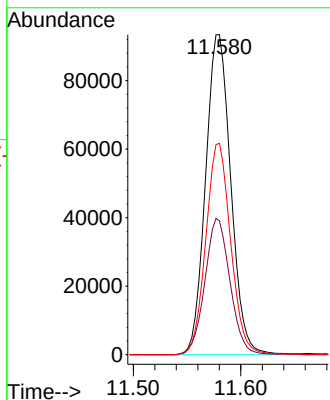
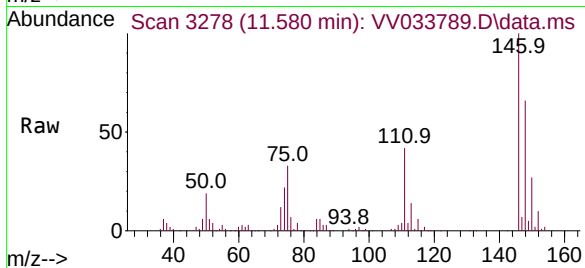




#67
1,2-Dichlorobenzene
Concen: 48.920 ug/L
RT: 11.580 min Scan# 31
Delta R.T. 0.000 min
Lab File: VV033789.D
Acq: 20 Jan 2024 05:56

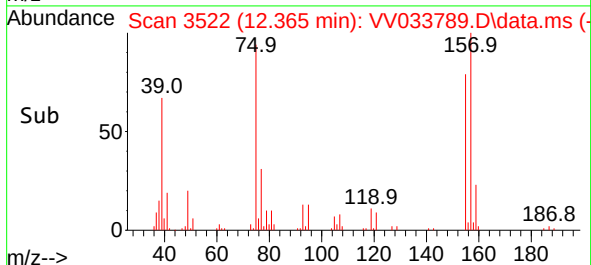
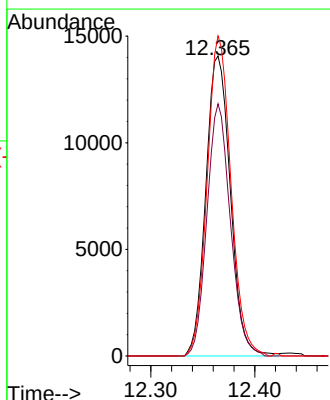
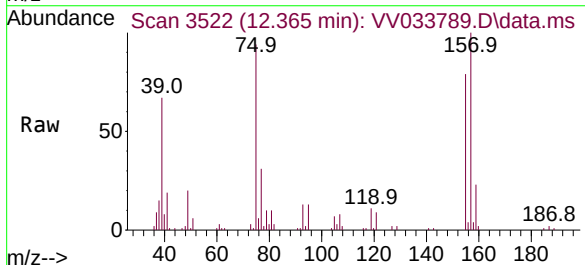
Instrument :
MSVOA_V
ClientSampleId :

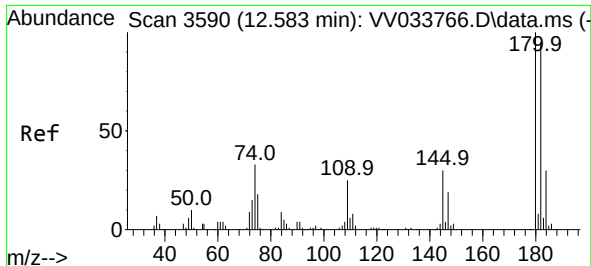
Tgt Ion:146 Resp: 152257
Ion Ratio Lower Upper
146 100
111 41.8 35.4 53.0
148 66.0 52.0 78.0



#68
1,2-Dibromo-3-chloropropane
Concen: 43.314 ug/L
RT: 12.365 min Scan# 3522
Delta R.T. 0.000 min
Lab File: VV033789.D
Acq: 20 Jan 2024 05:56

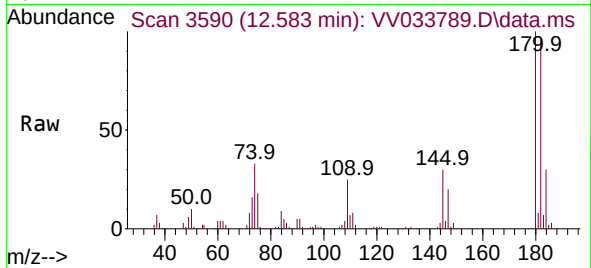
Tgt Ion: 75 Resp: 23120
Ion Ratio Lower Upper
75 100
155 84.1 61.6 92.4
157 106.7 79.2 118.8



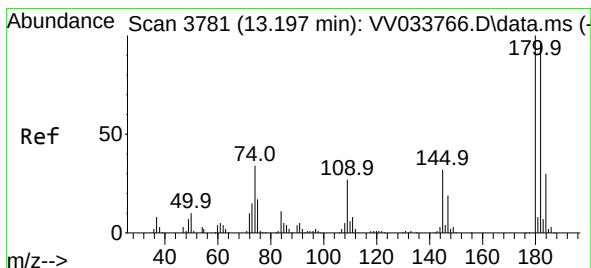
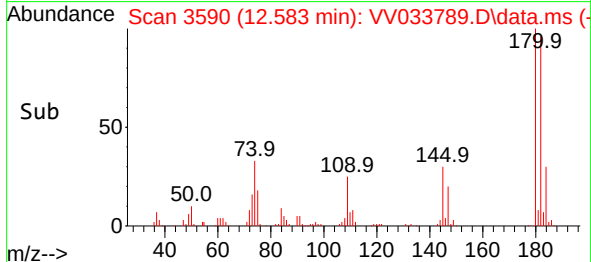
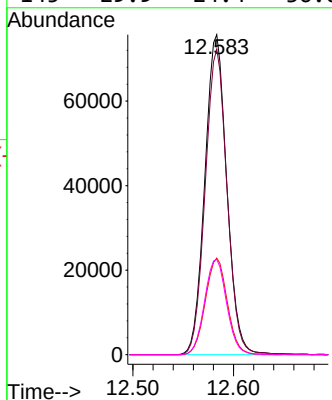


#69
 1,3,5-Trichlorobenzene
 Concen: 48.768 ug/L
 RT: 12.583 min Scan# 3590
 Delta R.T. 0.000 min
 Lab File: VV033789.D
 Acq: 20 Jan 2024 05:56

Instrument :
 MSVOA_V
 ClientSampleId :

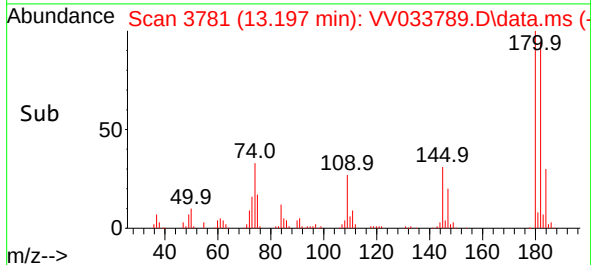
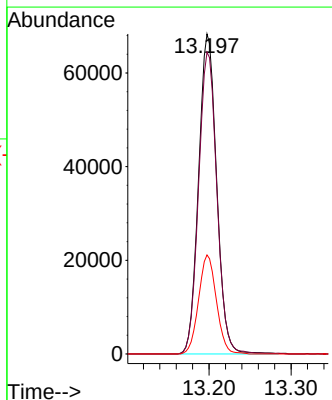
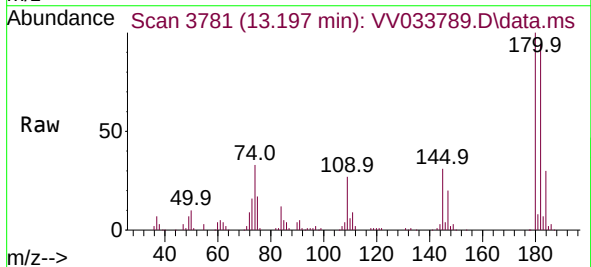


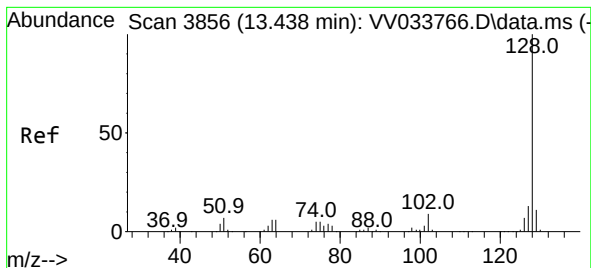
Tgt Ion:180 Resp: 114792
 Ion Ratio Lower Upper
 180 100
 182 94.6 76.2 114.2
 184 30.2 23.9 35.9
 145 29.9 24.4 36.6



#70
 1,2,4-trichlorobenzene
 Concen: 48.841 ug/L
 RT: 13.197 min Scan# 3781
 Delta R.T. 0.000 min
 Lab File: VV033789.D
 Acq: 20 Jan 2024 05:56

Tgt Ion:180 Resp: 104345
 Ion Ratio Lower Upper
 180 100
 182 95.6 76.3 114.5
 145 30.5 25.4 38.0





#71

Naphthalene

Concen: 45.268 ug/L

RT: 13.439 min Scan# 3856

Delta R.T. 0.000 min

Lab File: VV033789.D

Acq: 20 Jan 2024 05:56

Instrument :

MSVOA_V

ClientSampleId :

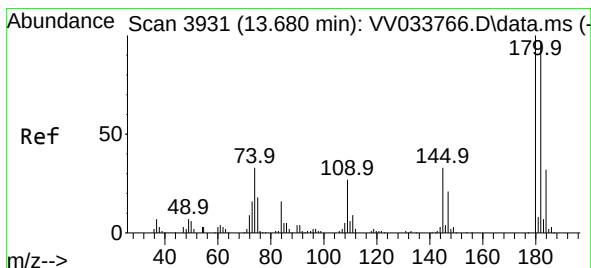
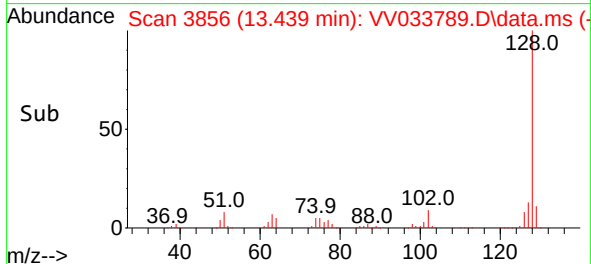
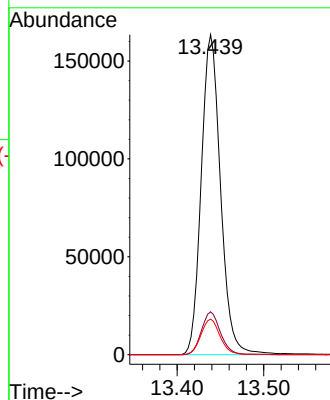
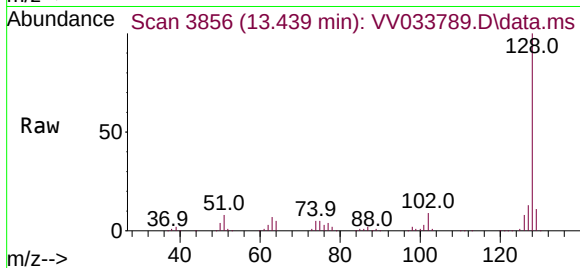
Tgt Ion:128 Resp: 252715

Ion Ratio Lower Upper

128 100

127 13.2 10.3 15.5

129 11.0 8.6 13.0



#72

1,2,3-Trichlorobenzene

Concen: 50.488 ug/L

RT: 13.680 min Scan# 3931

Delta R.T. 0.000 min

Lab File: VV033789.D

Acq: 20 Jan 2024 05:56

Tgt Ion:180 Resp: 100677

Ion Ratio Lower Upper

180 100

182 94.7 76.0 114.0

145 31.9 26.3 39.5

